Yahoo Group Archive: glowbugradio

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2018. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2008-06-24 through 2016-11-25

Source WARC: glowbugradio.UJxscg1.warc.gz

Source item: https://archive.org/details/yahoo-groups-2018-06-25T07-07-40Z-ed7df5

Messages included in this PDF: 2059

Message records with no body available in the source archive: 1

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. Glowbugradio A NEW creation

Yahoo group: glowbugradio
Date: 2008-06-24 20:41:21 UTC
From: rbethman
Topic: 1 Message: 1

Skip, Plates are hot and power out is good!

Ah yes. Someplace I will VERY likely feel welcome!

Thanks Carl!

Bob - N0DGN

Skip Frolik wrote:
> Yup,
>
> Heaters might be on but no plate voltage yet.
>
> Skip
>
> N0DGN WROTE:
> Carl,
>
> Let us know WHEN it turns up as a Group! It isn't YET!
>
> Bob - N0DGN
>
> Carl wrote:
>
>> The existing GB email list has become way overly moderated and
>> restricted causing a loss of members.
>>
>> As a result an alternative has been created on Yahoo called Glowbugradio.
>>
>> In addition to permitting a better platform for discussions it also
>> allows photos and other attachments to a post plus a files and
>> database section.
>>
>> Come aboard and enjoy a full featured forum. Spread the word.
>>
>> Carl
>> KM1H
>> _____
>> National mailing list
>> National@...
>> http://mailman.qth.net/mailman/listinfo/national
>>
>>
>
>

--
Bob - N?DGN

2. Re: Glowbugradio A NEW creation

Yahoo group: glowbugradio
Date: 2008-06-24 22:27:24 UTC
From: Carl
Topic: 1 Message: 2

Youre welcome Bob as well as other comments Ive received.
Now you can tell us how you really feel about your BC-610!

Im going to be in and out the rest of the day as Tstorms are coming
thru regularly.

Lets get some discussions rolling.

Carl
KM1H

--- In glowbugradio@yahoogroups.com, rbethman <rbethman@...> wrote:
>
> Skip, Plates are hot and power out is good!
>
> Ah yes. Someplace I will VERY likely feel welcome!
>
> Thanks Carl!
>
> Bob - N0DGN
>
> Skip Frolik wrote:
> > Yup,
> >
> > Heaters might be on but no plate voltage yet.
> >
> > Skip
> >
> > N0DGN WROTE:
> > Carl,
> >
> > Let us know WHEN it turns up as a Group! It isn't YET!
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> > Bob - N0DGN
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> > Carl wrote:
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> >> The existing GB email list has become way overly moderated and
> >> restricted causing a loss of members.
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> >> As a result an alternative has been created on Yahoo called
Glowbugradio.
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> >> In addition to permitting a better platform for discussions it
also
> >> allows photos and other attachments to a post plus a files and

> >> database section.
> >>
> >> Come aboard and enjoy a full featured forum. Spread the word.
> >>
> >> Carl
> >> KM1H
> >> _____
> >> National mailing list
> >> National@...
> >> http://mailman.qth.net/mailman/listinfo/national
> >>
> >>
> >
> >
>
> --
> Bob - NØDGN
>

3. New to the group

Yahoo group: glowbugradio
Date: 2008-06-25 03:38:44 UTC
From: Walter Cates
Topic: 3 Message: 3

Although my primary intrest is Hallicrafter SR stuff, anything with tubes and high voltage captures my heart. There is nothing that makes the shack feel more comfortable than Blue Corona and the smell of ozone.

5. A WANTED folder is now in the FILES section

Yahoo group: glowbugradio
Date: 2008-06-25 15:26:28 UTC
From: Carl
Topic: 5 Message: 5

If you desire your wanted needs to stay current for members to see add it to the WANTED folder as well as in the regular MESSAGE if you want. For now there will be no time limit but if it becomes too crowded I'll have to set a time limit of maybe 30 days. Simply recreate if you still have the need.

If your needs have been met I'd appreciate your deleting the file; thanks.

More to come as I navigate thru all the options and figure out what Im doing.

Carl
KM1H

6. A FOR SALE folder has been created in the FILES section

Yahoo group: glowbugradio
Date: 2008-06-25 15:31:34 UTC
From: Carl
Topic: 6 Message: 6

Same blah blah blah as in the WANTED message I just posted.

NO COMMERCIAL OR DEALER SALES PLEASE.

Carl
KM1H

7. Hello to those that have joined us

Yahoo group: glowbugradio
Date: 2008-06-25 17:34:13 UTC
From: rbethman
Topic: 7 Message: 7

As Carl has pointed out, I do indeed have a BC-610 AND a T-213.

There is the Heath DX-60, HG-10 VFO, two Mohawks, and One hot in-line Apache with one reserved for parts as needed.

I've got ONE solid State TS-930SAT when I here something I get interested in and can get going NOW. I have ONE SS rcvr, a Kenwood 2000.

The other rigs are: R-390A, Northern Radio SP-600 J-11, and untold other mil surplus.

I PREFER those that Glow AND can be worked on without a microscope and a logic probe.

I indeed have MY views and OPINIONS. Mostly I stay calm, but I do get riled up over control freaks.

We can agree to disagree from time to time.

First licensed in 1980 as KA4PBD. Renewed my license in MO about 1984 and mistakenly checked a wrong box. So got the current call.

First rig - SB-102, SP-600, and HP-23. Second station - HT-37 and SX-101 with a Shure 737 mic. Began the "dark side" going AM with that pair. <G>

Bob - N0DGN Manassas, VA

--
Bob - N?DGN

8. Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-25 18:43:53 UTC
From: Carl
Topic: 8 Message: 8

As some of you know Ive been running a PP 211 oscillator on 80M CW. It worked fine after multiple changes and is downright ugly.
While tearing it down for a clean rebuild I got a bright idea....

Why not a 160-20M CW and AM rig using all 1929 tubes?

How about a 224A or 226 as the VFO running on 160? All voltages would be regulated DC.

Id like tetrodes as the buffers and multipliers driving a 860 or two but were any capable of enough power? Or am I stuck with 210's?

The 211's would then be the modulators.

The oldest superhet I own is a National FB-7X and its an adequate performer for most of the time.

Carl
KM1H

9. Re: [glowbugradio] Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-25 19:40:49 UTC
From: rbethman
Topic: 8 Message: 9

Carl,

Being a youngster, (58), I wouldn't have a clue as to a 1929 tube for a VFO.

My body only goes back to 1950, and I sure could NOT tell you what was
inside of radios.

I had an Uncle with an S-38.

Bob - N0DGN

Carl wrote:
>
> As some of you know Ive been running a PP 211 oscillator on 80M CW. It
> worked fine after multiple changes and is downright ugly.
> While tearing it down for a clean rebuild I got a bright idea....
>
> Why not a 160-20M CW and AM rig using all 1929 tubes?
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> How about a 224A or 226 as the VFO running on 160? All voltages would
> be regulated DC.
>
> Id like tetrodes as the buffers and multipliers driving a 860 or two
> but were any capable of enough power? Or am I stuck with 210's?
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> The 211's would then be the modulators.
>
> The oldest superhet I own is a National FB-7X and its an adequate
> performer for most of the time.
>
> Carl
> KM1H
>
>

--
Bob - N?DGN

10. Re: [glowbugradio] Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-25 19:54:31 UTC
From: rbethman
Topic: 8 Message: 10

Okay,

Beating my head against wall and OLD tomes, I offer the lowly 46 as a candidate for your VFO!

I won't say that it is optimal, BUT that triode seems to have characteristics to foot the bill!

Bob - N0DGN

Carl wrote:
>
> As some of you know Ive been running a PP 211 oscillator on 80M CW. It
> worked fine after multiple changes and is downright ugly.
> While tearing it down for a clean rebuild I got a bright idea....
>
> Why not a 160-20M CW and AM rig using all 1929 tubes?
>
> How about a 224A or 226 as the VFO running on 160? All voltages would
> be regulated DC.
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> Id like tetrodes as the buffers and multipliers driving a 860 or two
> but were any capable of enough power? Or am I stuck with 210's?
>
> The 211's would then be the modulators.
>
> The oldest superhet I own is a National FB-7X and its an adequate
> performer for most of the time.
>
> Carl
> KM1H
>
>

--
Bob - N?DGN

11. PARTING OUT A HALLICRAFTERS SR-160

Yahoo group: glowbugradio
Date: 2008-06-25 21:21:21 UTC
From: Walter Cates
Topic: 11 Message: 11

I am parting out a SR-150. The front panel and VFO are already gone.
Let me know what you need.

12. Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-25 22:05:38 UTC
From: Carl
Topic: 8 Message: 12

OK, I goofed; forget about the 226 as its a triode.

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
>
> As some of you know Ive been running a PP 211 oscillator on 80M CW.
It
> worked fine after multiple changes and is downright ugly.
> While tearing it down for a clean rebuild I got a bright idea....
>
> Why not a 160-20M CW and AM rig using all 1929 tubes?
>
> How about a 224A or 226 as the VFO running on 160? All voltages
would
> be regulated DC.
>
> Id like tetrodes as the buffers and multipliers driving a 860 or
two
> but were any capable of enough power? Or am I stuck with 210's?
>
> The 211's would then be the modulators.
>
> The oldest superhet I own is a National FB-7X and its an adequate
> performer for most of the time.
>
> Carl
> KM1H
>

13. Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-25 22:31:46 UTC
From: Carl
Topic: 8 Message: 13

Im trying to stay away from a triode, especially for the VFO Bob. Those oldies pull way too easy and chirp bad even when you let them run and key the buffer. Also the 46 is too new and doesnt even show in my 1931 HB. It is in the 1934 Cunningham tube manual.

There is a book that has tube intro dates but I dont have one yet.

I can use a 210 as the driver to the 860 and use as a doubler for 80-20 which will minimize the neutralization problem.

Carl
KM1H

--- In glowbugradio@yahoogroups.com, rbethman <rbethman@...> wrote:
>
> Okay,
>
> Beating my head against wall and OLD tomes, I offer the lowly 46 as a
> candidate for your VFO!
>
> I won't say that it is optimal, BUT that triode seems to have
> characteristics to foot the bill!
>
> Bob - N0DGN
>
> Carl wrote:
> >
> > As some of you know Ive been running a PP 211 oscillator on 80M CW. It
> > worked fine after multiple changes and is downright ugly.
> > While tearing it down for a clean rebuild I got a bright idea....
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> > Why not a 160-20M CW and AM rig using all 1929 tubes?
> >
> > How about a 224A or 226 as the VFO running on 160? All voltages would
> > be regulated DC.
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> > Id like tetrodes as the buffers and multipliers driving a 860 or two
> > but were any capable of enough power? Or am I stuck with 210's?
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> > The 211's would then be the modulators.
> >
> > The oldest superhet I own is a National FB-7X and its an adequate

> > performer for most of the time.
> >
> > Carl
> > KM1H
> >
> >
>
> --
> Bob - NØDGN
>

14. Re: [glowbugradio] Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-25 22:40:46 UTC
From: rbethman
Topic: 8 Message: 14

Carl,

I'm TRYING! I'm too young to think in 1929 terms!

It was the BEST I could come up with! The VFOs that I have dealt with
are 7 or 9 pin miniatures, with MAYBE an Octal.

Bob - N0DGN

Carl wrote:
>
> Im trying to stay away from a triode, especially for the VFO Bob.
> Those oldies pull way too easy and chirp bad even when you let them
> run and key the buffer. Also the 46 is too new and doesnt even show
> in my 1931 HB. It is in the 1934 Cunningham tube manual.
>
> There is a book that has tube intro dates but I dont have one yet.
>
> I can use a 210 as the driver to the 860 and use as a doubler for 80-
> 20 which will minimize the neutralization problem.
>
> Carl
> KM1H
>
> --- In glowbugradio@yahoogroups.com
> <mailto:glowbugradio%40yahoogroups.com>, rbethman <rbethman@...> wrote:
> >
> > Okay,
> >
> > Beating my head against wall and OLD tomes, I offer the lowly 46 as
> a
> > candidate for your VFO!
> >
> > I won't say that it is optimal, BUT that triode seems to have
> > characteristics to foot the bill!
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> > Bob - N0DGN
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> > Carl wrote:
> > >
> > > As some of you know Ive been running a PP 211 oscillator on 80M
> CW. It
> > > worked fine after multiple changes and is downright ugly.
> > > While tearing it down for a clean rebuild I got a bright idea....
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> > > Why not a 160-20M CW and AM rig using all 1929 tubes?

> > >
> > > How about a 224A or 226 as the VFO running on 160? All voltages
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> > > be regulated DC.
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> > > Id like tetrodes as the buffers and multipliers driving a 860 or
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> > > performer for most of the time.
> > >
> > > Carl
> > > KM1H
> > >
> > >
> >
> > --
> > Bob - N?DGN
> >
>
>

--
Bob - N?DGN

15. Re: [glowbugradio] Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-26 02:01:15 UTC
From: w7qho@aol.com
Topic: 8 Message: 15

Carl,

A check of my 1929 RAHB reveals nothing that could be called a VFO in modern terms. One MOPA circuit is offered using a UX-210 as the oscillator and another for the PA. The only tetrode I could find was the UX-222 (called a "shield grid" amplifier back then) used in a couple of regens but most receiver circuits used UX-201s. Not sure just when types like the 224A and 226 came out but no mention in the 29 handbook.

Dennis D. W7QHO
Glendale, CA

****
Gas prices getting you down? Search AOL Autos for
fuel-efficient used cars.
(http://autos.aol.com/used?ncid=aolaut00050000000007)

16. Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-26 13:29:52 UTC
From: Carl
Topic: 8 Message: 16

I guess I need to get ahold of "Tube Lore" to be certain what came
out when.
The 226 was certainly used in 1928; its in several of my early AC
flip top wooden radios.

There were also several tubes in the 30 series that were used in auto
radios that look interesting, especially the 38 pentode audio amp.
That would be fine in an ECO VFO I suspect. Have to run it horizontal
to keep the grid lead short and mechanically stable.

Dont know if an ECO is legal for the AWA contests even if it uses
early components.

All this prehistoric stuff is new to me, my favorite era is the
octals and loctals.

Carl
KM1H

--- In glowbugradio@yahoogroups.com, w7qho@... wrote:
>
> Carl,
>
> A check of my 1929 RAHB reveals nothing that could be called a VFO
in modern
> terms. One MOPA circuit is offered using a UX-210 as the
oscillator and
> another for the PA. The only tetrode I could find was the UX-222
(called a
> "shield grid" amplifier back then) used in a couple of regens but
most receiver
> circuits used UX-201s. Not sure just when types like the 224A and
226 came out
> but no mention in the 29 handbook.
>
> Dennis D. W7QHO
> Glendale, CA
>
>
>
> **********
> Gas prices getting you down? Search AOL Autos for
> fuel-efficient used cars.
> (http://autos.aol.com/used?ncid=aolaut00050000000007)
>

17. Carl, 1920s vintage radio with oscillator

Yahoo group: glowbugradio
Date: 2008-06-26 20:02:14 UTC
From: rbethman
Topic: 17 Message: 17

Take a look here:

<http://home.comcast.net/~wa9wfa/vintage_1920.htm>

--
Bob - N?DGN

18. Re: [glowbugradio] Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-26 23:25:48 UTC
From: w7qho@aol.com
Topic: 8 Message: 18

Carl,

You would have MANY more tube options available if you zeroed in on the early 1930s for your project rather than the late 20's. This from browsing through 29 - 33 handbooks, old QSTs, and also Sibley (Tube Lore).

Put together a 42 tri-tet driving a Taylor T-20 rig myself a number of years ago....

Dennis D. W7QHO
Glendale, CA

****
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fuel-efficient used cars.
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19. Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-27 13:23:58 UTC
From: Carl
Topic: 8 Message: 19

Dennis, I already have several 30's rigs; homebrew and commercial and a few get regular use with era receivers.

The AWA contest rules state 1929 or earlier tubes and instead of building PP 211's or similar for each band I figured on trying for just one rig.

What does Sibley say about the date for the 38? Thats almost as good as a 42.

IF I can get a TX built then I want to try for a superhet using same era tubes but later components and circuitry. Ive a couple of spare flip top wooden cabinets to build in.

Carl
KM1H

--- In glowbugradio@yahoogroups.com, w7qho@... wrote:
>
> Carl,
>
> You would have MANY more tube options available if you zeroed in on the early
> 1930s for your project rather than the late 20's. This from browsing
> through 29 - 33 handbooks, old QSTs, and also Sibley (Tube Lore).
>
> Put together a 42 tri-tet driving a Taylor T-20 rig myself a number of years
> ago....
>
> Dennis D. W7QHO
> Glendale, CA
>
>
>
> **********
> Gas prices getting you down? Search AOL Autos for
> fuel-efficient used cars.
> (http://autos.aol.com/used?ncid=aolaut00050000000007)
>

20. WOW! What a turnout, a big THANK YOU

Yahoo group: glowbugradio
Date: 2008-06-27 15:24:58 UTC
From: Carl
Topic: 20 Message: 20

Im almost speechless but those who know me would question that.

Over 100 members in 2 days! Many of you I know from the old GB forum and elsewhere and others are new to me. A lot of experience and knowledge is represented. Welcome all.

The goal I set for this forum is to exchange ideas, circuit development, interesting stories, your equipment interests, etc.

From the sign up intros these appear to be of interest to many and in no particular order:

- Homebrew receivers, regen and superhets

- Homebrew transmitters, CW, AM, and mobile

- Homebrew VFO's

- Boatanchor restoration, repairs and modifications

- The 600M (500 Kc) experimental band which may become a new ham band

- ARC-5's, ART-13, BC-610, Super Pros and other military gear including test equipment

- Antennas that work with the above and in general

- Anything and everything else

So lets not be bashful. Fire off some intros, tech ideas, what subjects you want to see discussed (besides gas prices!).

My current project is building a 160-10M ham band double conversion superhet using only octal and loctal tubes but modern components and circuitry. Modular construction. Its a "What if these ideas and components were available in 1939-46?" project. Some of it will be based around easy to obtain (cheap) Heathkit SB series components as well as the mechanical filters and xtal filter assembly from a junked 51J4 that I got at a darn good price. And yes, Ive already hacked a Heath PTO and installed a 6SJ7, it tracks and is stable as original.

Carl
KM1H

21. Re: WOW! What a turnout, a big THANK YOU

Yahoo group: glowbugradio
Date: 2008-06-28 01:33:07 UTC
From: john_kb7nrn
Topic: 20 Message: 21

Carl,
Are you 'Burntfingers'?

I used to be on the old GB reflector for a few years but for reasons mentioned elswhere I left some time ago.

Projects in the que (that is kitted up) or partially built:

early '30s SW TRF regen, AKA Doerle Sginal Gripper

803 amp, AKA Junk Box Amp

T55 AM CW transmitter, cathode modulated

Mini Paraset

160 - 10 mtr superhet receiver, AKA Seven Tube Superhet, from early '40s ARRL Handbook

Not confining myself to just AM and CW, I'd like to build a version of the "Five by Twenty" transceiver by two Italian hams. A five tube, twenty meter QRP transceiver, tho it would be for 75 mtrs with a 6146 final.

Anyway everything is on hold till I finish the new shack.

John
KB7NRN

22. Re: WOW! What a turnout, a big THANK YOU

Yahoo group: glowbugradio
Date: 2008-06-28 01:44:54 UTC
From: john_kb7nrn
Topic: 20 Message: 22

Photo of the Ham Shack project.

http://ph.groups.yahoo.com/group/glowbugradio/photos/view/d7b3?
b=1&m=f&o=0

John
KB7NRN

--- In glowbugradio@yahoogroups.com, "john_kb7nrn" <john.bauman@...>
wrote:
>
> Carl,
> Are you 'Burntfingers'?
>
> I used to be on the old GB reflector for a few years but for
reasons
> mentioned elswhere I left some time ago.
>
> Projects in the que (that is kitted up) or partially built:
>
> early '30s SW TRF regen, AKA Doerle Sginal Gripper
>
> 803 amp, AKA Junk Box Amp
>
> T55 AM CW transmitter, cathode modulated
>
> Mini Paraset
>
> 160 - 10 mtr superhet receiver, AKA Seven Tube Superhet, from
> early '40s ARRL Handbook
>
> Not confining myself to just AM and CW, I'd like to build a version
of
> the "Five by Twenty" transceiver by two Italian hams. A five tube,
> twenty meter QRP transceiver, tho it would be for 75 mtrs with a
6146
> final.
>
> Anyway everything is on hold till I finish the new shack.
>
> John
> KB7NRN
>

23. Re: [glowbugradio] Re: WOW! What a turnout, a big THANK YOU

Yahoo group: glowbugradio
Date: 2008-06-28 02:01:47 UTC
From: Robert Nickels
Topic: 20 Message: 23

john_kb7nrn wrote:
>
> Photo of the Ham Shack project.
>

Hi John -

Looks great! I enjoy "swinging a nail gun" myself, build a 24 by 30 ft shop with full loft a few years ago and added a 12 by 20 "annex" last summer. All I can tell you is what everyone told me: "Make it twice as big as you think you'll need" :-)

And run lots of power and antenna wires, of course!

73, Bob W9RAN
>
>

24. Re: [glowbugradio] Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-28 02:31:03 UTC
From: w7qho@aol.com
Topic: 8 Message: 24

In a message dated 6/27/08 6:27:47 AM, km1h@... writes:

> What does Sibley say about the date for the 38? Thats almost as good
> as a 42.
>

He doesn't give a date but it's got a 6.3 volt, indirectly heated cathode
which would seem to make it a 1932/33 release.

Dennis D. W7QHO
Glendale, CA

****
Gas prices getting you down? Search AOL Autos for
fuel-efficient used cars.
(http://autos.aol.com/used?ncid=aolaut00050000000007)

25. interesting liks

Yahoo group: glowbugradio
Date: 2008-06-28 03:04:21 UTC
From: Bob
Topic: 25 Message: 25

To all, I found this link, don't think I've seen it before. May be useful.

Carl, maybe it could go into file section, if you deem it worthy.

<http://tinycad.sourceforge.net/>

73, Bob WA1RM

26. Re: WOW! What a turnout, a big THANK YOU

Yahoo group: glowbugradio
Date: 2008-06-28 03:10:55 UTC
From: Carl
Topic: 20 Message: 26

--- In glowbugradio@yahoogroups.com, "john_kb7nrn" <john.bauman@...>
wrote:
>
> Carl,
> Are you 'Burntfingers'?

Yes. I dont use my call over there as sometimes it aggravates the non
hams.

>
> I used to be on the old GB reflector for a few years but for
reasons
> mentioned elswhere I left some time ago.

That seems to be a common thread in the members signup!

>
> Projects in the que (that is kitted up) or partially built:
>
> early '30s SW TRF regen, AKA Doerle Sginal Gripper

Nice, Ive looked that circuit over several times in the old mags.

>
> 803 amp, AKA Junk Box Amp

I have a pair with sockets for some TBD project. An underappreciated
tube along with the 814.

>
> T55 AM CW transmitter, cathode modulated
>
> Mini Paraset
>
> 160 - 10 mtr superhet receiver, AKA Seven Tube Superhet, from
> early '40s ARRL Handbook

How does it perform? Give us a bit of a rundown.

>
> Not confining myself to just AM and CW, I'd like to build a version
of
> the "Five by Twenty" transceiver by two Italian hams. A five tube,
> twenty meter QRP transceiver, tho it would be for 75 mtrs with a
6146
> final.

I built the W2EWL TX as a kid which started my long love with phasing rigs. I had all the CE family from 10A to 200V, Lakeshore Phasemaster and a HT-37.

>
> Anyway everything is on hold till I finish the new shack.

Mine is due for a major rebuilding, 19 years is too long in one form and vertical intergration has reached its limit.

Carl
KM1H

>
> John
> KB7NRN
>

27. Re: WOW! What a turnout, a big THANK YOU

Yahoo group: glowbugradio
Date: 2008-06-28 03:21:43 UTC
From: Carl
Topic: 20 Message: 27

--- In glowbugradio@yahoogroups.com, Robert Nickels <w9ran@...> wrote:
>
> john_kb7nrn wrote:
> >
> > Photo of the Ham Shack project.
> >
>
>
> Hi John -
>
> Looks great! I enjoy "swinging a nail gun" myself, build a 24 by
30 ft
> shop with full loft a few years ago and added a 12 by 20 "annex"
last
> summer. All I can tell you is what everyone told me: "Make it
twice as
> big as you think you'll need" :-)
>
> And run lots of power and antenna wires, of course!
>
> 73, Bob W9RAN

I agree John, looks fine. Whats the size?

When I built the addition to the original 1830 house I declared the 28 x 34 basement as MINE! I can barely move around there now and have been "uploading" some stuff to commercial shelving in the walk up attic. I also have a 53' trailer body 250' from the house filled with a little bit of everything that followed me home over the years.

Carl
KM1H

28. Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-28 03:38:50 UTC
From: Carl
Topic: 8 Message: 28

--- In glowbugradio@yahoogroups.com, w7qho@... wrote:
>
>
> In a message dated 6/27/08 6:27:47 AM, km1h@... writes:
>
>
> > What does Sibley say about the date for the 38? Thats almost as good
> > as a 42.
> >
>
> He doesn't give a date but it's got a 6.3 volt, indirectly heated
cathode
> which would seem to make it a 1932/33 release.
>
> Dennis D. W7QHO
> Glendale, CA

I was afraid of that but makes sense. It was used in the 32 GM factory
radios which is the earliest I can find.

It looks like Im stuck with a 24A for the VFO and triodes for the rest
up to the 860. Doable but a bit more work getting things tamed.

Thanks for the help Dennis.

Carl
KM1H

29. Re: interesting liks

Yahoo group: glowbugradio
Date: 2008-06-28 03:49:46 UTC
From: Carl
Topic: 25 Message: 29

--- In glowbugradio@yahoogroups.com, "Bob" <sierraz71@...> wrote:
>
> To all, I found this link, don't think I've seen it before. May
be
> useful.
>
> Carl, maybe it could go into file section, if you deem it worthy.
>
> <http://tinycad.sourceforge.net/>
>
> 73, Bob WA1RM

There is a LINKS tab on the menu Bob, I put it there. Thanks.

Ive a whole bunch of links saved here on different PC's that I will
be adding as I get the time. Once I get it done I'll be asking
members for others.

Carl
KM1H

30. Re: [glowbugradio] Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-28 11:10:24 UTC
From: JT Croteau
Topic: 8 Message: 30

Wasn't everyone in 1929 using 245 Hartley's to drive a pair of 245's
in parallel?

--
JT Croteau, N1ESE

31. Millen Butterfly Cap

Yahoo group: glowbugradio
Date: 2008-06-28 19:05:12 UTC
From: Barrie Smith
Topic: 31 Message: 31

Hello all:

I'm working on a nostalgia rig. It's to be a copy of a transmitter that my high school buddy, Scott, W7TLZ had. It was built for him by his ham father. This was around 1953.

The rig used a push-pull pair of VT-127As, driven by what I don't remember. I do remember that I was very envious of that 300, or so, watts, so I went home to my 6L6 rig and pouted.

I have just about all the parts I need for the project, and I could start putting it together. But, I remember that Scott's rig used a Millen capacitor that was driven by a right angle drive in the center of tha cap, with a section on either side of the drive/mounting pedestal.

I'd like to duplicate that early rig as much as possible, so aquiring a cap such as that is an "almost" must.

This rig will be for 160 and 80 meters, so I need something close to 100 pf. I can pad that for 160. I'll be running 1500 to 2000 volts on the plates, so the spacing will have to stand that.

Anyone have such a device?

73, Barrie, W7ALW (Vanity call, but also my original call from 1950)

32. LOOKING FOR BEGINNER'S SWL RECEIVER

Yahoo group: glowbugradio
Date: 2008-06-28 23:31:19 UTC
From: K0DAN
Topic: 32 Message: 32

Hello Group...

I have a friend who is retired and is going crazy from boredom. He's not a radio person, altho I think he might enjoy HF SWL and I was thinking of buying buy him a vintage (?) receiver (e.g. SX-110, HQ-110, etc.). Something general coverage but not too complicated. But also not total junk and with a front end with at least modest selectivity & sensitivity. Then I got thinking maybe some of the 80's vintage Yaesu/Kenwood/Icom receivers might be better, especially something with a product detector...I don't know what's out there (I'm familiar with the modern stuff and the boatanchors, but not much in between).

I don't want to spend a lot of money (thinking $100 +/-) as I'm not sure he'll take an interest in SWL. He has totally non-electronic, so a fix-up project is NOT what we need...something that works fine and looks 1/2 decent, but need not look like a museum piece.

Any suggestions, offers, referrals, etc.?

Tnx es 73

Dan
K0DAN
k0dan@...
Kansas City

33. Re: Whats a good tube for a 1929 VFO?

Yahoo group: glowbugradio
Date: 2008-06-29 13:57:45 UTC
From: Carl
Topic: 8 Message: 33

--- In glowbugradio@yahoogroups.com, "JT Croteau" <jt.n1ese@...>
wrote:
>
> Wasn't everyone in 1929 using 245 Hartley's to drive a pair of 245's
> in parallel?
>
> --
> JT Croteau, N1ESE

That was one of the options used. Others includes 01A's, 112's and
210's depending on power desired and money or parts available.
Circuits were Colpitts and Hartley and variations of both. Parallel
tubes were almost unheard of except in modulators.

1929 was the year the new regulations took effect which set strict
standards for signal quality and frequency accuracy as well as band
changes.

Crystal control was also used in 1929 by those who could afford them
and had the ability to grind the blanks.

Carl
KM1H

34. Re: WOW! What a turnout, a big THANK YOU

Yahoo group: glowbugradio
Date: 2008-06-29 17:14:19 UTC
From: john_kb7nrn
Topic: 20 Message: 34

Bob,
I wish I could buid twice as big as I'd need but I went with what I could afford! You know how that goes. ;)

Carl,
It's 24' x 36' with 12' eves. If I did't mention it before, there will a loft over the two rooms that will eventually be walled in for a room. there will be two rooms on the left about 12' x 12' ea. The front room will be the work shop and the back will be the test bench and operaing position. Of corse there will be a 220 vac outlet with lots of 120 vac outlets on on a couple 20A breakers for each room. The bay doors are roll up 10' x 10'.

What's nice about the location is there is a 90' fir on either side of the shack, about 250' apart with the shack in the middle. Great for stringing a full size top band dipole. I cleared the smaller oaks away making raising the antenna easier. The antenna will be east/west so if I feed it with open wire I can tune it up on all bands. On the higher bands it should work as good as a beam going east/west.

It's ready for final inspection now so I'll get a photo of it on here soon.

John
KB7NRN

> >All I can tell you is what everyone told me: "Make it
> twice as
> > big as you think you'll need" :-)
> >
> > And run lots of power and antenna wires, of course!
> >
> > 73, Bob W9RAN
>
>
> I agree John, looks fine. Whats the size?
>
> Carl
> KM1H
>

35. Re: LOOKING FOR BEGINNER'S SWL RECEIVER

Yahoo group: glowbugradio
Date: 2008-06-29 20:11:52 UTC
From: john_kb7nrn
Topic: 32 Message: 35

Dan,
For a simple vintage receiver that your friend can still easily get parts for, I recommend the "Two Tube Superhet" by George Grammer in the early '40s ARRL Handbook. I think it's in the '41 - '46 Handbooks. It doesn't require any hard to find parts. It will outperform a two tube regen by far. Mine works up to 20mtrs no problem and is very stable.

I modified the design a little for three tubes and built it in a neglected SW-3 case and call it a Super SW-3. I'll post my schematic here with a few photos.

Another simple superhet is the "Regenerodyne" by Gary Johanson, WD4NKA. It uses three tubes with a fixed freq local oscillator. Mine is used mostly for 40mtrs.
http://www.qsl.net/wd4nka/TEXTS/REGENf~1.HTM

Both of these receivers use a regerative detector so they can copy CW & SSB without the need of a BFO circuit. The Regenerodyne is more like a regen with a xtal converter on the front end.

If a regen is more in your friends ability there's a nice one from the '60s my son and I built. It uses a 12AT7, it will also work with a 12AU7 or 12AX7. We ended up wsing a 12AX7 in the end.
http://www.mines.uidaho.edu/~glowbugs/12at7_regen.html

Hope this helps,
John
KB7NRN

--- In glowbugradio@yahoogroups.com, "K0DAN" <k0dan@...> wrote:
>
> Hello Group...
>
> I have a friend who is retired and is going crazy from boredom. He's not a
> radio person, altho I think he might enjoy HF SWL and I was thinking of
> buying buy him a vintage (?) receiver (e.g. SX-110, HQ-110, etc.). Something
> general coverage but not too complicated. But also not total junk and with a
> front end with at least modest selectivity & sensitivity. Then I got
> thinking maybe some of the 80's vintage Yaesu/Kenwood/Icom receivers might

> be better, especially something with a product detector...I don't
know
> what's out there (I'm familiar with the modern stuff and the
boatanchors,
> but not much in between).
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> I don't want to spend a lot of money (thinking $100 +/-) as I'm not
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fix-up
> project is NOT what we need...something that works fine and looks
1/2
> decent, but need not look like a museum piece.
>
> Any suggestions, offers, referrals, etc.?
>
> Tnx es 73
>
> Dan
> K0DAN
> k0dan@...
> Kansas City
>

36. Re: LOOKING FOR BEGINNER'S SWL RECEIVER

Yahoo group: glowbugradio
Date: 2008-06-29 20:44:25 UTC
From: john_kb7nrn
Topic: 32 Message: 36

Dan,
Sorry but i didn't read but the first couple sentences of your post.
I thought your friend wanted to build something.
Again my apologies.

John
KB7NRN

BTW; A Hallicrafters S-22R can be picked up for a very reasonable
price, I bought two at $35 ea. They are easy to work on too.

37. Re: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER

Yahoo group: glowbugradio
Date: 2008-06-29 22:53:23 UTC
From: K0DAN
Topic: 32 Message: 37

Hi there Jon...

Thanks for your reply and thoughful message.

I'm almost tempted to play with one of those fine receivers MYSELF! (But: Too little spare time for yet another project.)

Unfortunately, the neighbor I'm trying to help out is totally non-electronic. In fact, I'm not even sure he'll enjoy SWL, but I kind of have a hunch he'll at least dabble in it a for a while.

I think he (and me...if I'm the benefactor) will be better off with some commercial product. Some of the other answers to my post suggested finding a 70's or 80's transceiver, obsolete by today's standards (i.e. cheap) but something with a product detector, general coverage receiver, decent selectivity, etc. The guy I'm shopping for will probably never get a license, hence not use the XMTR, but that's probably a good plan to get a better SWL receiver, and also have better shot at resale in the event the guy finds the whole SWL idea stupid or boring (hell, I'd probably keep the rig myself!).

So...thanks, but I think I'll keep looking for some basement-queen transceiver...also have a couple leads for SX-110 and HQ-110 in the local area, hence no shipping.

But...appreciate our email.

Tnx es 73

Dan
K0DAN

PS The homebrew regen is really nice!

----- Original Message -----
From: "john_kb7nrn" <john.bauman@...>
To: <glowbugradio@yahoogroups.com>
Sent: Sunday, June 29, 2008 3:11 PM
Subject: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER

> Dan,
> For a simple vintage receiver that your friend can still easily get
> parts for, I recommend the "Two Tube Superhet" by George Grammer in
> the early '40s ARRL Handbook. I think it's in the '41 - '46 Handbooks.
> It doesn't require any hard to find parts. It will outperform a two
> tube regen by far. Mine works up to 20mtrs no problem and is very
> stable.
>

> I modified the design a little for three tubes and built it in a
> neglected SW-3 case and call it a Super SW-3. I'll post my schematic
> here with a few photos.
>
> Another simple superhet is the "Regenerodyne" by Gary Johanson,
> WD4NKA. It uses three tubes with a fixed freq local oscillator.
> Mine is used mostly for 40mtrs.
> http://www.qsl.net/wd4nka/TEXTS/REGENf~1.HTM
>
> Both of these receivers use a regerative detector so they can copy CW
> & SSB without the need of a BFO circuit. The Regenerodyne is more
> like a regen with a xtal converter on the front end.
>
> If a regen is more in your friends ability there's a nice one from
> the '60s my son and I built. It uses a 12AT7, it will also work with
> a 12AU7 or 12AX7. We ended up wsing a 12AX7 in the end.
> http://www.mines.uidaho.edu/~glowbugs/12at7_regen.html
>
> Hope this helps,
> John
> KB7NRN
>
> --- In glowbugradio@yahoogroups.com, "K0DAN" <k0dan@...> wrote:
>>
>> Hello Group...
>>
>> I have a friend who is retired and is going crazy from boredom.
> He's not a
>> radio person, altho I think he might enjoy HF SWL and I was
> thinking of
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>> decent, but need not look like a museum piece.
>>
>> Any suggestions, offers, referrals, etc.?
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>> Tnx es 73
>>
>> Dan
>> K0DAN
>> k0dan@...
>> Kansas City
>>
>
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> ------------------------------------
>
> Yahoo! Groups Links
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>

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1524 - Release Date: 6/28/2008
7:42 PM

38. Re: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER

Yahoo group: glowbugradio
Date: 2008-06-29 23:47:24 UTC
From: Barry Hoffman
Topic: 32 Message: 38

There is a Heathkit GR-78 for sale on e-bay that would be great (transistorized).

However, it ends in 1 1/2 hours. So, you will have to hurry.

73
K7BLH

--- On Sun, 6/29/08, K0DAN <k0dan@...> wrote:

From: K0DAN <k0dan@...>
Subject: Re: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER
To: glowbugradio@yahoogroups.com
Date: Sunday, June 29, 2008, 3:53 PM

Hi there Jon...

Thanks for your reply and thoughful message.

I'm almost tempted to play with one of those fine receivers MYSELF! (But:
Too little spare time for yet another project.)

Unfortunately, the neighbor I'm trying to help out is totally
non-electronic. In fact, I'm not even sure he'll enjoy SWL, but I kind of
have a hunch he'll at least dabble in it a for a while.

I think he (and me...if I'm the benefactor) will be better off with some
commercial product. Some of the other answers to my post suggested finding a
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selectivity, etc. The guy I'm shopping for will probably never get a
license, hence not use the XMTR, but that's probably a good plan to get a
better SWL receiver, and also have better shot at resale in the event the
guy finds the whole SWL idea stupid or boring (hell, I'd probably keep the
rig myself!).

So...thanks, but I think I'll keep looking for some basement-queen
transceiver. ..also have a couple leads for SX-110 and HQ-110 in the local
area, hence no shipping.

But...appreciate our email.

Tnx es 73

Dan
K0DAN

PS The homebrew regen is really nice!

----- Original Message -----
From: "john_kb7nrn" <john.bauman@ allvac.com>
To: <glowbugradio@ yahoogroups. com>
Sent: Sunday, June 29, 2008 3:11 PM
Subject: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER

> Dan,
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> http://www.mines. uidaho.edu/ ~glowbugs/ 12at7_regen. html
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> Hope this helps,
> John
> KB7NRN
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> --- In glowbugradio@ yahoogroups. com, "K0DAN" <k0dan@...> wrote:
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> ------------ --------- --------- ------
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No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1524 - Release Date: 6/28/2008
7:42 PM

39. Re: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER

Yahoo group: glowbugradio
Date: 2008-06-29 23:52:49 UTC
From: Dave And Merrijoy
Topic: 32 Message: 39

I don't want to raise the ire of any here but until you know for sure he will be interested in SWL, and before you spend very much money, why not look for a Realistic DX-392 which is quite inexpensive. They come with a full compliment of frequencies, have a retractable antenna and a tuneable BFO.
I use one for QRP and I must say, it fills the bill quite nicely.
Not GB; however, until you know for sure if this person will take to radio, try finding a DX-392. They show up quite often on eBay.
DG

----- Original Message -----
From: K0DAN
To: glowbugradio@yahoogroups.com
Sent: Sunday, June 29, 2008 6:53 PM
Subject: Re: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER

Hi there Jon...

Thanks for your reply and thoughful message.

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But...appreciate our email.

Tnx es 73

Dan
K0DAN

PS The homebrew regen is really nice!

----- Original Message -----
From: "john_kb7nrn" <john.bauman@...>
To: <glowbugradio@yahoogroups.com>
Sent: Sunday, June 29, 2008 3:11 PM
Subject: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER

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> Yahoo! Groups Links
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No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1524 - Release Date: 6/28/2008
7:42 PM

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.4.3/1524 - Release Date: 6/28/2008 7:42 PM

40. Re: [glowbugradio] Re: LOOKING FOR BEGINNER'S SWL RECEIVER

Yahoo group: glowbugradio
Date: 2008-06-30 00:26:31 UTC
From: Mike WE0H
Topic: 32 Message: 40

That is Radio-Mart selling this receiver. Buyer beware of this crooked seller...bad news.

Mike
WE0H

Barry Hoffman wrote:
>
> There is a Heathkit GR-78 for sale on e-bay that would be great
> (transistorized).
>
>
>
> However, it ends in 1 1/2 hours. So, you will have to hurry.
>
> 73
> K7BLH
>
>

41. Re: [glowbugradio] Re: WOW! What a turnout, a big THANK YOU

Yahoo group: glowbugradio
Date: 2008-06-30 03:15:16 UTC
From: telegrapher@att.net
Topic: 20 Message: 41

YEAH!. That's what i've wanted for years. No place to put it though on this city lot. I might make a move one of these days and if i get the opportunity, that's what my ham "Shack" is gonna be like. Good job OM. Have a good time in there but remember, "Switch to Safety". Ha, remember, used to see that in QST mags years back. Maybe the 40's or 50's?

Larry
W0OGH

Crowded valley of the sun.

---------- Original message from "john_kb7nrn" <john.bauman@...>: ----------

Photo of the Ham Shack project.

http://ph.groups.yahoo.com/group/glowbugradio/photos/view/d7b3?
b=1&m=f&o=0

John
KB7NRN

--- In glowbugradio@yahoogroups.com, "john_kb7nrn" <john.bauman@...>
wrote:
>
> Carl,
> Are you 'Burntfingers'?
>
> I used to be on the old GB reflector for a few years but for
reasons
> mentioned elswhere I left some time ago.
>
> Projects in the que (that is kitted up) or partially built:
>
> early '30s SW TRF regen, AKA Doerle Sginal Gripper
>
> 803 amp, AKA Junk Box Amp
>
> T55 AM CW transmitter, cathode modulated
>
> Mini Paraset
>
> 160 - 10 mtr superhet receiver, AKA Seven Tube Superhet, from
> early '40s ARRL Handbook
>
> Not confining myself to just AM and CW, I'd like to build a version
of
> the "Five by Twenty" transceiver by two Italian hams. A five tube,
> twenty meter QRP transceiver, tho it would be for 75 mtrs with a

6146
> final.
>
> Anyway everything is on hold till I finish the new shack.
>
> John
> KB7NRN
>

42. WTD: Dumont 208 scope alignment info

Yahoo group: glowbugradio
Date: 2008-07-03 18:09:01 UTC
From: Carl
Topic: 42 Message: 42

I recently found this under the free table at a yard sale and couldnt resist.

A member sent me the schematic and parts list so I now need alignment info, tube voltage chart and whatever else will help get this functioning top notch again. With 31 caps needing replacement and even more high value resistors to check this is not an afternoon project.

Carl
KM1H

43. Happy Independence Day to all

Yahoo group: glowbugradio
Date: 2008-07-04 14:06:39 UTC
From: Carl
Topic: 43 Message: 43

And play safe.

Carl
KM1H

44. Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 07:58:27 UTC
From: Mike
Topic: 44 Message: 44

Is this Group dying off now? 2 posts for July?

Mike
WE0H

45. RE: [glowbugradio] Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 12:15:05 UTC
From: b_hagen@sbcglobal.net
Topic: 44 Message: 45

You will find that question spread across the web. It's summer!

Bruce

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Mike
Sent: Sunday, July 20, 2008 3:58 AM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Where did everyone go???

Is this Group dying off now? 2 posts for July?

Mike
WE0H

46. Re: [glowbugradio] Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 13:54:52 UTC
From: Carl
Topic: 44 Message: 46

My hope also Bruce. I was going to post tomorrow about the lack of activity but Mike and you beat me to it!

Im hoping others will take the lead and start a thread, the subject matter is wide open.

With the 90* + humid weather here Ive been hiding in the basement rearranging the clutter and slowly rebuilding a SX-17.

Carl
KM1H

----- Original Message -----
From: b_hagen@...
To: glowbugradio@yahoogroups.com
Sent: Sunday, July 20, 2008 8:15 AM
Subject: RE: [glowbugradio] Where did everyone go???

You will find that question spread across the web. It's summer!

Bruce

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Mike
Sent: Sunday, July 20, 2008 3:58 AM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Where did everyone go???

Is this Group dying off now? 2 posts for July?

Mike
WE0H

47. Re: [glowbugradio] Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 16:02:58 UTC
From: Bill Ellis
Topic: 44 Message: 47

No use talking if you have nothing to say....

Bill, WB9CAC

--- On Sun, 7/20/08, Mike <we0h@...> wrote:
From: Mike <we0h@...>
Subject: [glowbugradio] Where did everyone go???
To: glowbugradio@yahoogroups.com
Date: Sunday, July 20, 2008, 12:58 AM

Is this Group dying off now? 2 posts for July?

Mike

WE0H

48. Re: [glowbugradio] Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 16:27:19 UTC
From: Barrie Smith
Topic: 44 Message: 48

Okay, here's a question:

As a boy scout in Vancouver, British Columbia during WW2, as a group project, we built several three tube super regen receivers from a kit. I would have been 8 or nine years old at that time.

The chassis was pre-punched. We mounted the components and soldered all the parts in. I remember that the AC line cord was very thick, and was told that one of the wires was a resistance line to lower the voltage for the filaments (?).

The receiver used plug in coils (pre-assembled). I don't remember what the frequency ranges were, but it did cover the BC band and several short-wave bands.

Our house (as did most houses in those days) had a long-wire antenna, and I heard stations all over the world. That was quite a thrill for a nerdy kid like me.

I'd like to find out what receiver that was on the off-chance that I could get another one.

I'm pretty sure that it wasn't an SW-3 because (as I remember) the vernier tuning knob was much larger than the SW-3.

It had three tubes. I'd like to say that they were all the same, possibly number 30, or in the 30 range. I'm just not sure.

Anyone have any ideas?

73, Barrie, W7ALW
----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Sunday, July 20, 2008 7:54 AM
Subject: Re: [glowbugradio] Where did everyone go???

My hope also Bruce. I was going to post tomorrow about the lack of activity but Mike and you beat me to it!

Im hoping others will take the lead and start a thread, the subject matter is wide open.

With the 90* + humid weather here Ive been hiding in the basement rearranging the clutter and slowly rebuilding a SX-17.

Carl
KM1H

----- Original Message -----
From: b_hagen@...
To: glowbugradio@yahoogroups.com
Sent: Sunday, July 20, 2008 8:15 AM

Subject: RE: [glowbugradio] Where did everyone go???

You will find that question spread across the web. It's summer!

Bruce

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Mike
Sent: Sunday, July 20, 2008 3:58 AM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Where did everyone go???

Is this Group dying off now? 2 posts for July?

Mike
WE0H

49. Re: [glowbugradio] Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 16:42:51 UTC
From: rbethman
Topic: 44 Message: 49

Not that I know of.

Look, it is hot and humid. *IF* you see a wet spot outside, it used to be a *HUMAN*. He/she melted in place.

I suspect that most of us are holed up deep in the coolest part of our shacks/homes working on a particular project.

I'm fighting with a TEK 5440 mainframe that ran for a stretch of about 4 hours, was transported, plugged in and lasted about 8 - 10 seconds before blowing the main fuse.

So now I'm powering it with a fused variac at 25VAC trying to find where everything comes to a SCREECH!

Bob - N0DGN

Mike wrote:
>
> Is this Group dying off now? 2 posts for July?
>
> Mike
> WE0H
>
>

--
Bob - N?DGN

50. Re: [glowbugradio] Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 17:01:13 UTC
From: David Hollander
Topic: 44 Message: 50

Hi Barrie - sounds like it may have been one of the Meissner receiver kits. I have a 3 tube Meissner receiver kit #1063 unbuilt in the box (not for sale). Maybe that was it.

You can look at all of the Meissner receiver kits in this document

http://www.duntemann.com/12vtubes/Meissner_manual_1953.pdf

73,

Dave N7RK
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

51. Re: [glowbugradio] Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 18:01:52 UTC
From: Mike WE0H
Topic: 44 Message: 51

I am working on the 600 meter station. Built a new lowpass filter with better cores than my first filter used & doubled my output power :-) That was a nice surprise. Still collecting tubes and parts for the 600 meter tube amp. Working on some other radio stuff too. Went out on a remote receiving test the other evening. Need more listeners on the band.

Mike
WE0H

52. Re: Where did everyone go???

Yahoo group: glowbugradio
Date: 2008-07-20 18:05:32 UTC
From: kk7iz
Topic: 44 Message: 52

Tis better to remain silent and be thought a fool, than to open your
mouth and remove all doubt.
--- In glowbugradio@yahoogroups.com, Bill Ellis <wb9cac@...> wrote:
>
> No use talking if you have nothing to say....
>
> Bill, WB9CAC
>
> --- On Sun, 7/20/08, Mike <we0h@...> wrote:
> From: Mike <we0h@...>
> Subject: [glowbugradio] Where did everyone go???
> To: glowbugradio@yahoogroups.com
> Date: Sunday, July 20, 2008, 12:58 AM
>
>
>
>
>
>
>
>
>
>
>
>
> Is this Group dying off now? 2 posts for July?
>
>
>
> Mike
>
> WE0H
>

53. 600 meter band

Yahoo group: glowbugradio
Date: 2008-07-21 23:19:02 UTC
From: Bob Young
Topic: 53 Message: 53

I'd like to hear more about your station and the 600 M band, is it still experimental and are there any plays to allow AM voice on it any time in the future?

Also can anyone recommend a good soldier sucker to get into tight places? I'm trying to recap an SP-600 and am having trouble in some of the tight places.

Bob Young
KB1OKL

> I am working on the 600 meter station. Built a new lowpass filter with
> better cores than my first filter used & doubled my output power :-)
> That was a nice surprise. Still collecting tubes and parts for the 600
> meter tube amp. Working on some other radio stuff too. Went out on a
> remote receiving test the other evening. Need more listeners on the band.
>
> Mike
> WE0H
>

Time for vacation? WIN what you need- enter now!
http://www.gowindowslive.com/summergiveaway/?ocid=tag_jlyhm

54. Re: [glowbugradio] 600 meter band

Yahoo group: glowbugradio
Date: 2008-07-21 23:27:20 UTC
From: rbethman
Topic: 53 Message: 54

Bob,

You may try solder wick. It is thin, and absorbs solder easily. It
comes in various size spools. If you can poke a wire in, solder wick
will go!

Bob - N0DGN

Bob Young wrote:
>
>
> I'd like to hear more about your station and the 600 M band, is it
> still experimental and are there any plays to allow AM voice on it any
> time in the future?
>
> Also can anyone recommend a good soldier sucker to get into tight
> places? I'm trying to recap an SP-600 and am having trouble in some of
> the tight places.
>
> Bob Young
> KB1OKL
>
> > I am working on the 600 meter station. Built a new lowpass filter with
> > better cores than my first filter used & doubled my output power :-)
> > That was a nice surprise. Still collecting tubes and parts for the 600
> > meter tube amp. Working on some other radio stuff too. Went out on a
> > remote receiving test the other evening. Need more listeners on the
> band.
> >
> > Mike
> > WE0H
> >
> _____
> Time for vacation? WIN what you need- enter now!
> http://www.gowindowslive.com/summergiveaway/?ocid=tag_jlyhm
> <http://www.gowindowslive.com/summergiveaway/?ocid=tag_jlyhm>
>
>

--
Bob - N?DGN

55. Hallicrafters SX-16, SX-17 parts wanted

Yahoo group: glowbugradio
Date: 2008-07-22 19:38:43 UTC
From: Carl
Topic: 55 Message: 55

Still trying to complete the SX-17 restoration. Looking for a S meter or just a good scale. Also need the old style large 465 Kc crystal for the filter. Anything from the SX-9 to SX-18 is the same; after that they went to 455 Kc.

And the plastic for the bandspread window.

Carl

56. Vacations are over, lets get some activity on here!

Yahoo group: glowbugradio
Date: 2008-07-28 15:04:13 UTC
From: Carl
Topic: 56 Message: 56

According to the comments made during the sign up there is a lot of
talent on here as well as those looking for info to restore or homebrew.

So stop waiting for the other guy to go first.

Ive added a few more sites to the Links page with more to come.

Need some contributions to the Files section also.

Carl
KM1H

57. Re: [glowbugradio] Vacations are over, lets get some activity on here!

Yahoo group: glowbugradio
Date: 2008-07-28 15:11:52 UTC
From: Jim Isbell, W5JAI
Topic: 56 Message: 57

OK, her are my recent projects:

Yesterday I set up my HW101 in the bedroom ready for the next
hurricane. Still have to get up a new antenna though, Dolly got the
last one.

In the mail to me now is my "new" AM rig, a Multi-Elmac AF-67. Today
I start on a 160M inverted "V" to get it on the air when it arrives.

So it looks like I will be working on antennas for a few weeks to get
the "glowing bottles" back on the air.

On Mon, Jul 28, 2008 at 10:04 AM, Carl <km1h@...> wrote:
> According to the comments made during the sign up there is a lot of
> talent on here as well as those looking for info to restore or homebrew.
>
> So stop waiting for the other guy to go first.
>
> Ive added a few more sites to the Links page with more to come.
>
> Need some contributions to the Files section also.
>
> Carl
> KM1H
>
>

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

58. Keep wishing for projects

Yahoo group: glowbugradio
Date: 2008-07-28 21:41:56 UTC
From: rbethman
Topic: 58 Message: 58

Carl, et al,

I'm STILL trying to find what is defunct in this TEK 5440. It ran for about 15 seconds, blew the fuse, and is dead in the water.

Going through all the circuits, have all the manuals, trying to find WHAT croaked!

Bob - N0DGN

--
Bob - N?DGN

59. Re: [glowbugradio] Vacations are over, lets get some activity on here!

Yahoo group: glowbugradio
Date: 2008-07-28 22:37:10 UTC
From: Barrie Smith
Topic: 56 Message: 59

----- Original Message -----
From: Jim Isbell, W5JAI
To: glowbugradio@yahoogroups.com
Sent: Monday, July 28, 2008 9:11 AM
Subject: Re: [glowbugradio] Vacations are over, lets get some activity on here!

On Mon, Jul 28, 2008 at 10:04 AM, Carl <km1h@...> wrote:
> According to the comments made during the sign up there is a lot of
> talent on here as well as those looking for info to restore or homebrew.
>
> So stop waiting for the other guy to go first.
>

Here I go again with the push-pull pair VT-127A project.

Several days ago I set up (or lashed up) a method of testing the tubes with variable grid voltage and variable plate voltage.

Even after hipotting the tubes, and applying filament voltage, I really didn't know what shape they were in.

I used 1500 volts on the plate, since that's about what I will be using when the amp is done.

With -50 volts on the grid five of the tubes drew 150 ma of plate current, plus or minus a bit.

Since this is an early radar tube (it has the filament and grid of a 250TL, and the plate of a 100TL) there are no published specifications for class C phone, so I don't really know what the grid voltage should be for that service.

I've been told, and have read that for class C phone the grid voltage should be twice cutoff.

I have advanced the minus grid voltage, under the previously mentioned test conditions, to 155 volts, where the tube is drawing no plate current.

Would 2 X 155 be a safe starting point for the completed unit?

Any help appreciated!

73, Barrie, W7ALW

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can help increase

your site traffic.

Cat Groups
on Yahoo! Groups

Share pictures &

stories about cats.

Yahoo! Groups
Join a program

to help you find

balance in your life.
.

60. Re: Vacations are over, lets get some activity on here!

Yahoo group: glowbugradio
Date: 2008-07-29 16:25:14 UTC
From: Carl
Topic: 56 Message: 60

--- In glowbugradio@yahoogroups.com, "Barrie Smith" <barrie@...>
wrote:
>
>
> ----- Original Message -----
> From: Jim Isbell, W5JAI
> To: glowbugradio@yahoogroups.com
> Sent: Monday, July 28, 2008 9:11 AM
> Subject: Re: [glowbugradio] Vacations are over, lets get some
activity on here!
>
>
>
> On Mon, Jul 28, 2008 at 10:04 AM, Carl <km1h@...> wrote:
> > According to the comments made during the sign up there is a
lot of
> > talent on here as well as those looking for info to restore or
homebrew.
> >
> > So stop waiting for the other guy to go first.
> >
>
> Here I go again with the push-pull pair VT-127A project.
>
> Several days ago I set up (or lashed up) a method of testing the
tubes with variable grid voltage and variable plate voltage.
>
> Even after hipotting the tubes, and applying filament voltage, I
really didn't know what shape they were in.
>
> I used 1500 volts on the plate, since that's about what I will be
using when the amp is done.
>
> With -50 volts on the grid five of the tubes drew 150 ma of plate
current, plus or minus a bit.
>
> Since this is an early radar tube (it has the filament and grid
of a 250TL, and the plate of a 100TL) there are no published
specifications for class C phone, so I don't really know what the
grid voltage should be for that service.
>
> I've been told, and have read that for class C phone the grid
voltage should be twice cutoff.
>
> I have advanced the minus grid voltage, under the previously

mentioned test conditions, to 155 volts, where the tube is drawing no plate current.
>
> Would 2 X 155 be a safe starting point for the completed unit?
>
> Any help appreciated!
>
> 73, Barrie, W7ALW
>

Barrie, published info in the 1947 E&E HB lists -340V as correct for Class C CW with Ep of 2000V. Id say that you are safely in the ballpark at your numbers.

Carl
KM1H

62. Re: [glowbugradio] HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-30 03:21:04 UTC
From: Jim
Topic: 61 Message: 62

You know, these search URLs from ebay put money in the pockets of whoever posts them to the net when we click through.

Many of the radio groups I am on, people get deleted for posting their ebay search URLs.

And ... down at the bottom of that list-o-junk it said "pickup only" but the address of the vendor on epay was "USA."

It's no surprise that more and more of us have quit using ebay.

N6OTQ

--- On Tue, 7/29/08, rottedhonda <rottedhonda@...> wrote:

> From: rottedhonda <rottedhonda@...>
> Subject: [glowbugradio] HUGE lot estate clearance-tube
CB's-shortwave-transceivers-phonos-test e
> To: glowbugradio@yahoogroups.com
> Date: Tuesday, July 29, 2008, 6:11 PMmunge-a-rama-assZ66Q2dcatalina
>
> STANDARD BRAND AM/FM STEREO TUNER-VINTAGE COMPONENT-$$$
> - $9.98
> $15.00 2h 22m

[snip]

63. Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-30 12:41:37 UTC
From: rottedhonda
Topic: 61 Message: 63

--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> You know, these search URLs from ebay put money in the pockets of whoever posts them to the net when we click through.
>
> Many of the radio groups I am on, people get deleted for posting their ebay search URLs.
>
> And ... down at the bottom of that list-o-junk it said "pickup only" but the address of the vendor on epay was "USA."
>
> It's no surprise that more and more of us have quit using ebay.
>
> N6OTQ

you could not be more wrong there

this lot of old radio stuff sat in a garage after the owner died, for over 10 years now- the surviving family members, were going to rent a dumpster, and throw it all out the top attic window, and send it to landfill

we saved it, to give it another chance at life- in the lot was at least 6 tube amped old CB radios from 1960's

would you prefer they be scrapped ?

you need to stop thinking so selfishly, and look at the big picture.

these items have literally hundreds of watchers so far, and dozens of the items have been sold- one radio was an antique VW/Porsche Bendix pushbutton, rare and sought after

again, all this was going to trash

you seem to detest it, for the simple reason, you're not selling it, someone else is- that's a lame-ass reason, if ever there was one

we're just trying to save some of the stuff, what doesn't sell, WILL be thrown out- if you have this negative attitude, what are you doing on "glow bulb audio" then ?

64. Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-30 12:43:19 UTC
From: rottedhonda
Topic: 61 Message: 64

ps- that's a crock- this is a private family estate sale clearance,
clicking on a url doesn't make us a dime, and we have to clean,
store, package, ship every item that is sold- you need a reality check

-- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> You know, these search URLs from ebay put money in the pockets of
whoever posts them to the net when we click through.
>
> Many of the radio groups I am on, people get deleted for posting
their ebay search URLs.
>
> And ... down at the bottom of that list-o-junk it said "pickup
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> It's no surprise that more and more of us have quit using ebay.
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> N6OTQ
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> --- On Tue, 7/29/08, rottedhonda <rottedhonda@...> wrote:
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> > Subject: [glowbugradio] HUGE lot estate clearance-tube CB's-
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> > To: glowbugradio@yahoogroups.com
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assZ66Q2dcatalina
> >
> > STANDARD BRAND AM/FM STEREO TUNER-VINTAGE COMPONENT-$$$
> > - $9.98
> > $15.00 2h 22m
>
> [snip]
>

65. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-30 12:51:17 UTC
From: Jim
Topic: 61 Message: 65

I will say now that I'm just not getting the same warm cozy feeling from you that I get from an old tube radio. I didn't say a thing about whether the gear should be saved from the landfill. Frankly, if that were your ONLY motive, you'd be giving it away for the cost of shipping and I do not see any of that going on.

The missing piece -- you said "we" saved it but you can't seem to say exactly where "we" live besides in the U.S. -- which makes any kind of pick-up arrangement impossible. And there's not even a clue from your yahoo profile -- it's empty too.

And those click-thru ebay search URLs DO pay per click. You just haven't figured out the process.

--- On Wed, 7/30/08, rottedhonda <rottedhonda@...> wrote:

> From: rottedhonda <rottedhonda@...>
> Subject: [glowbugradio] Re: HUGE lot estate clearance-tube
CB's-shortwave-transceivers-phonos-test e
> To: glowbugradio@yahoogroups.com
> Date: Wednesday, July 30, 2008, 7:41 AM
> --- In glowbugradio@yahoogroups.com, Jim <n6otq@...>
> wrote:
> >
> > You know, these search URLs from ebay put money in the
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> whoever posts them to the net when we click through.
> >
> > Many of the radio groups I am on, people get deleted
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> their ebay search URLs.
> >
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> "pickup
> only" but the address of the vendor on epay was
> "USA."
> >
> > It's no surprise that more and more of us have
> quit using ebay.
> >
> > N6OTQ
>
>
> you could not be more wrong there
>
> this lot of old radio stuff sat in a garage after the owner
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> to rent a
> dumpster, and throw it all out the top attic window, and
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>
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> again, all this was going to trash
>
> you seem to detest it, for the simple reason, you're
> not selling it,
> someone else is- that's a lame-ass reason, if ever
> there was one
>
> we're just trying to save some of the stuff, what
> doesn't sell, WILL
> be thrown out- if you have this negative attitude, what are
> you doing
> on "glow bulb audio" then ?

66. Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-30 16:17:34 UTC
From: Carl
Topic: 61 Message: 66

--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> You know, these search URLs from ebay put money in the pockets of whoever posts them to the net when we click through.
>
> Many of the radio groups I am on, people get deleted for posting their ebay search URLs.
>
> And ... down at the bottom of that list-o-junk it said "pickup only" but the address of the vendor on epay was "USA."
>
> It's no surprise that more and more of us have quit using ebay.
>
> N6OTQ
>
>
> --- On Tue, 7/29/08, rottedhonda <rottedhonda@...> wrote:
>
> > From: rottedhonda <rottedhonda@...>
> > Subject: [glowbugradio] HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e
> > To: glowbugradio@yahoogroups.com
> > Date: Tuesday, July 29, 2008, 6:11 PMmunge-a-rama-assZ66Q2dcatalina
> >
> > STANDARD BRAND AM/FM STEREO TUNER-VINTAGE COMPONENT-$$$
> > - $9.98
> > $15.00 2h 22m
>
> [snip]
>

The original post does not conform to the forum rules and has been deleted.

Feel free to repost any VACUUM TUBE item to the FOR SALE folder in the FILES section. A forum sale price must be included and no reference to an auction.

Carl

67. Antenna Z Meter?

Yahoo group: glowbugradio
Date: 2008-07-30 19:29:23 UTC
From: Bob Macklin
Topic: 67 Message: 67

Let's start a new discussion!

I have been thinking about building an Antenna Z Meter.

Heath had an Antenna Bridge that used a GDO as the RF source. This was the AM-1. It is a simple bridge and meter.

I have been thinking about using a Heath RF signal generator (SG-8) to build a self contained Antenna Z Meter.

We can still get small analog meter movments from CalRad.

I know that if I build this thing I will probably use it a couple of time then stick in the storage locker and never use it again.

But it would be a viabable tube based building project..

Bob Macklin
K5MYJ
Seattle, Wa.

68. Re: [glowbugradio] Antenna Z Meter?

Yahoo group: glowbugradio
Date: 2008-07-30 19:34:14 UTC
From: rbethman
Topic: 67 Message: 68

Palomar used to make and sell an impedance noise bridge.

MFJ has/had a "small" one with oscillator built in and a small analog meter.

Bob - N0DGN

Bob Macklin wrote:
>
> Let's start a new discussion!
>
>
>
> I have been thinking about building an Antenna Z Meter.
>
>
>
> Heath had an Antenna Bridge that used a GDO as the RF source. This was
> the AM-1. It is a simple bridge and meter.
>
>
>
> I have been thinking about using a Heath RF signal generator (SG-8) to
> build a self contained Antenna Z Meter.
>
>
>
> We can still get small analog meter movments from CalRad.
>
>
>
> I know that if I build this thing I will probably use it a couple of
> time then stick in the storage locker and never use it again.
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>
>
> But it would be a viabable tube based building project..
>
>
>
> Bob Macklin
>
> K5MYJ
>
> Seattle, Wa.
>
>

>
>

--
Bob - N?DGN

69. Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 11:48:34 UTC
From: rottedhonda
Topic: 61 Message: 69

Do you realize how much work it is, the the cost of all this bubble wrap, and fuel burned going to get boxes, and buying the tape/labels ?

Now, you want me to "give it away for shipping"-

well even a min. wage job pays $7 hour- you are being selfish and egocentric here.

if you don't want the stuff, don't buy it, don't look at it, don't bid on it. Obviously many others disagree with you, because in the past 3 days, 9 items have shipped, and 4 more will ship today. So count yourself amongst the minority on this topic.

if you're going to log onto the net, rest assured you may have to read a "for sale" ad that you cannot afford to buy, or want. I delete them every day in my email- stop your whining- that's what a delete key is for.

I'm not going to give out personal contact info for my family all over the net, to people who don't bid/win items on EBay ! Are you nuts ? Do you realize the ID theft and harassment going on today due to letting out that info ? wake up

clicking on an EBay url only takes you to the radio auctions, no one makes a cent until you bid on something, and pay for it. You are confusing Ebay homepage ad popups and yahoo homepage ads, with an ebay auction listing by private party. ANd you obviously are not very versed in ebay as well, because any other radio collector who is on ebay, and is serious, has been bidding on this stuff.

--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> I will say now that I'm just not getting the same warm cozy feeling from you that I get from an old tube radio. I didn't say a thing about whether the gear should be saved from the landfill. Frankly, if that were your ONLY motive, you'd be giving it away for the cost of shipping and I do not see any of that going on.
>
> The missing piece -- you said "we" saved it but you can't seem to say exactly where "we" live besides in the U.S. -- which makes any kind of pick-up arrangement impossible. And there's not even a clue from your yahoo profile -- it's empty too.
>
> And those click-thru ebay search URLs DO pay per click. You just haven't figured out the process.

>
>
>
>
>
> --- On Wed, 7/30/08, rottedhonda <rottedhonda@...> wrote:
>
> > From: rottedhonda <rottedhonda@...>
> > Subject: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-
shortwave-transceivers-phonos-test e
> > To: glowbugradio@yahoogroups.com
> > Date: Wednesday, July 30, 2008, 7:41 AM
> > --- In glowbugradio@yahoogroups.com, Jim <n6otq@>
> > wrote:
> > >
> > > You know, these search URLs from ebay put money in the
> > pockets of
> > whoever posts them to the net when we click through.
> > >
> > > Many of the radio groups I am on, people get deleted
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> > > And ... down at the bottom of that list-o-junk it said
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> > > It's no surprise that more and more of us have
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> > >
> > > N6OTQ
> >
> >
> > you could not be more wrong there
> >
> > this lot of old radio stuff sat in a garage after the owner
> > died, for
> > over 10 years now- the surviving family members, were going
> > to rent a
> > dumpster, and throw it all out the top attic window, and
> > send it to
> > landfill
> >
> > we saved it, to give it another chance at life- in the lot
> > was at
> > least 6 tube amped old CB radios from 1960's
> >
> > would you prefer they be scrapped ?
> >

> > you need to stop thinking so selfishly, and look at the big
> > picture.
> >
> > these items have literally hundreds of watchers so far, and
> > dozens of
> > the items have been sold- one radio was an antique
> > VW/Porsche Bendix
> > pushbutton, rare and sought after
> >
> > again, all this was going to trash
> >
> > you seem to detest it, for the simple reason, you're
> > not selling it,
> > someone else is- that's a lame-ass reason, if ever
> > there was one
> >
> > we're just trying to save some of the stuff, what
> > doesn't sell, WILL
> > be thrown out- if you have this negative attitude, what are
> > you doing
> > on "glow bulb audio" then ?
>

70. Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 11:49:31 UTC
From: rottedhonda
Topic: 61 Message: 70

Carl, you are a stupid ass.

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
>
> --- In glowbugradio@yahoogroups.com, Jim <n6otq@> wrote:
> >
> > You know, these search URLs from ebay put money in the pockets of
> whoever posts them to the net when we click through.
> >
> > Many of the radio groups I am on, people get deleted for posting
> their ebay search URLs.
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> > N6OTQ
> >
> >
> > --- On Tue, 7/29/08, rottedhonda <rottedhonda@> wrote:
> >
> > > From: rottedhonda <rottedhonda@>
> > > Subject: [glowbugradio] HUGE lot estate clearance-tube CB's-
> shortwave-transceivers-phonos-test e
> > > To: glowbugradio@yahoogroups.com
> > > Date: Tuesday, July 29, 2008, 6:11 PMmunge-a-rama-
> assZ66Q2dcatalina
> > >
> > > STANDARD BRAND AM/FM STEREO TUNER-VINTAGE COMPONENT-$$$
> > > - $9.98
> > > $15.00 2h 22m
> >
> > [snip]
> >
>
>
>
> The original post does not conform to the forum rules and has been
> deleted.
>
> Feel free to repost any VACUUM TUBE item to the FOR SALE folder in
> the FILES section. A forum sale price must be included and no
> reference to an auction.

>
> Carl
>

71. Re: Vacations are over, lets get some activity on here!

Yahoo group: glowbugradio
Date: 2008-07-31 11:51:04 UTC
From: rottedhonda
Topic: 56 Message: 71

you want activity on here, but when someone posts 50 tube radios,
amps, stereo, cb's for sale, you delete the post

this newsgroup is doomed to die on the vine- for sale ads, brings
activity- people look at the stuff, and remember it, and discuss the
units

you are really a narrow-minded, short-sighted person

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
>
> --- In glowbugradio@yahoogroups.com, "Barrie Smith" <barrie@>
> wrote:
> >
> >
> > ----- Original Message -----
> > From: Jim Isbell, W5JAI
> > To: glowbugradio@yahoogroups.com
> > Sent: Monday, July 28, 2008 9:11 AM
> > Subject: Re: [glowbugradio] Vacations are over, lets get some
> activity on here!
> >
> >
> >
> > On Mon, Jul 28, 2008 at 10:04 AM, Carl <km1h@> wrote:
> > > According to the comments made during the sign up there is a
> lot of
> > > talent on here as well as those looking for info to restore
or
> homebrew.
> > >
> > > So stop waiting for the other guy to go first.
> > >
> >
> > Here I go again with the push-pull pair VT-127A project.
> >
> > Several days ago I set up (or lashed up) a method of testing
the
> tubes with variable grid voltage and variable plate voltage.
> >
> > Even after hipotting the tubes, and applying filament voltage,
I
> really didn't know what shape they were in.
> >
> > I used 1500 volts on the plate, since that's about what I will
be

> using when the amp is done.
> >
> > With -50 volts on the grid five of the tubes drew 150 ma of
plate
> current, plus or minus a bit.
> >
> > Since this is an early radar tube (it has the filament and grid
> of a 250TL, and the plate of a 100TL) there are no published
> specifications for class C phone, so I don't really know what the
> grid voltage should be for that service.
> >
> > I've been told, and have read that for class C phone the grid
> voltage should be twice cutoff.
> >
> > I have advanced the minus grid voltage, under the previously
> mentioned test conditions, to 155 volts, where the tube is drawing
no
> plate current.
> >
> > Would 2 X 155 be a safe starting point for the completed unit?
> >
> > Any help appreciated!
> >
> > 73, Barrie, W7ALW
> >
>
>
> Barrie, published info in the 1947 E&E HB lists -340V as correct
for
> Class C CW with Ep of 2000V. Id say that you are safely in the
> ballpark at your numbers.
>
> Carl
> KM1H
>

72. Re: Vacations are over, lets get some activity on here!

Yahoo group: glowbugradio
Date: 2008-07-31 12:40:08 UTC
From: Carl
Topic: 56 Message: 72

--- In glowbugradio@yahoogroups.com, "rottedhonda" <rottedhonda@...>
wrote:
>
> you want activity on here, but when someone posts 50 tube radios,
> amps, stereo, cb's for sale, you delete the post
>
> this newsgroup is doomed to die on the vine- for sale ads, brings
> activity- people look at the stuff, and remember it, and discuss
the
> units
>
> you are really a narrow-minded, short-sighted person
>
>

If you are unable to read and follow the very simple rules on the
HOME page of this group then you have my permission to go elsewhere.

A reply is not desired.

Carl

73. Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-07-31 18:15:27 UTC
From: john_kb7nrn
Topic: 73 Message: 73

I built a superregen receiver last year for the FM BCB and Aircraft AM Band. It works pretty good but the audio is a bit tinny sounding. You can see a couple photos and schematic in the photo album section under john_kb7nrn; super regen.

Mabey the .047 audio coupling cap needs to be increased in value.
Any suggestions will be appreceiated.

Thanks,
John
KB7NRN

74. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 19:04:08 UTC
From: Barry Hoffman
Topic: 61 Message: 74

Where are our moderators?

Block these posts!

This guy obviously doesn't understand that for sale items are to be listed in the for sale folder.

He won't read and obide by the rules, and now has resorted to profanity.

73
K7BLH

--- On Thu, 7/31/08, rottedhonda <rottedhonda@...> wrote:

From: rottedhonda <rottedhonda@...>
Subject: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e
To: glowbugradio@yahoogroups.com
Date: Thursday, July 31, 2008, 4:48 AM

Do you realize how much work it is, the the cost of all this bubble wrap, and fuel burned going to get boxes, and buying the tape/labels ?

Now, you want me to "give it away for shipping"-

well even a min. wage job pays $7 hour- you are being selfish and egocentric here.

if you don't want the stuff, don't buy it, don't look at it, don't bid on it. Obviously many others disagree with you, because in the past 3 days, 9 items have shipped, and 4 more will ship today. So count yourself amongst the minority on this topic.

if you're going to log onto the net, rest assured you may have to read a "for sale" ad that you cannot afford to buy, or want. I delete them every day in my email- stop your whining- that's what a delete key is for.

I'm not going to give out personal contact info for my family all over the net, to people who don't bid/win items on EBay ! Are you nuts ? Do you realize the ID theft and harassment going on today due to letting out that info ? wake up

clicking on an EBay url only takes you to the radio auctions, no one makes a cent until you bid on something, and pay for it. You are confusing Ebay homepage ad popups and yahoo homepage ads, with an ebay auction listing by private party. ANd you obviously are not

very versed in ebay as well, because any other radio collector who is on ebay, and is serious, has been bidding on this stuff.

--- In glowbugradio@ yahoogroups. com, Jim <n6otq@...> wrote:
>
> I will say now that I'm just not getting the same warm cozy feeling from you that I get from an old tube radio. I didn't say a thing about whether the gear should be saved from the landfill. Frankly, if that were your ONLY motive, you'd be giving it away for the cost of shipping and I do not see any of that going on.
>
> The missing piece -- you said "we" saved it but you can't seem to say exactly where "we" live besides in the U.S. -- which makes any kind of pick-up arrangement impossible. And there's not even a clue from your yahoo profile -- it's empty too.
>
> And those click-thru ebay search URLs DO pay per click. You just haven't figured out the process.
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> --- On Wed, 7/30/08, rottedhonda <rottedhonda@ ...> wrote:
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> > From: rottedhonda <rottedhonda@ ...>
> > Subject: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceiv ers-phonos- test e
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> >
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> > this lot of old radio stuff sat in a garage after the owner
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> > to rent a
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> > send it to
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> > we saved it, to give it another chance at life- in the lot
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> > least 6 tube amped old CB radios from 1960's
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> > would you prefer they be scrapped ?
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> > you need to stop thinking so selfishly, and look at the big
> > picture.
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> > these items have literally hundreds of watchers so far, and
> > dozens of
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> > you doing
> > on "glow bulb audio" then ?
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75. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 19:04:29 UTC
From: Barry Hoffman
Topic: 61 Message: 75

Where are our moderators?

Block these posts!

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He won't read and obide by the rules, and now has resorted to profanity.

73
K7BLH

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Subject: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e
To: glowbugradio@yahoogroups.com
Date: Thursday, July 31, 2008, 4:48 AM

Do you realize how much work it is, the the cost of all this bubble wrap, and fuel burned going to get boxes, and buying the tape/labels ?

Now, you want me to "give it away for shipping"-

well even a min. wage job pays $7 hour- you are being selfish and egocentric here.

if you don't want the stuff, don't buy it, don't look at it, don't bid on it. Obviously many others disagree with you, because in the past 3 days, 9 items have shipped, and 4 more will ship today. So count yourself amongst the minority on this topic.

if you're going to log onto the net, rest assured you may have to read a "for sale" ad that you cannot afford to buy, or want. I delete them every day in my email- stop your whining- that's what a delete key is for.

I'm not going to give out personal contact info for my family all over the net, to people who don't bid/win items on EBay ! Are you nuts ? Do you realize the ID theft and harassment going on today due to letting out that info ? wake up

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>

76. Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 19:12:15 UTC
From: bhagen44141
Topic: 61 Message: 76

Rotten:

There are PUBLISHED rules. You broke them. You have been told that you broke them. You are a guest on this forum not an owner. You have no rights - you are a guest. Act like one!

--- In glowbugradio@yahoogroups.com, Barry Hoffman <k7blh@...> wrote:
>
> Where are our moderators?
>
> Block these posts!
>
> This guy obviously doesn't understand that for sale items are to be listed in the for sale folder.
>
> He won't read and obide by the rules, and now has resorted to profanity.
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> K7BLH
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> read a "for sale" ad that you cannot afford to buy, or want. I
> delete them every day in my email- stop your whining- that's what a
> delete key is for.
>
> I'm not going to give out personal contact info for my family all
> over the net, to people who don't bid/win items on EBay ! Are you
> nuts ? Do you realize the ID theft and harassment going on today
due
> to letting out that info ? wake up
>
> clicking on an EBay url only takes you to the radio auctions, no
one
> makes a cent until you bid on something, and pay for it. You are
> confusing Ebay homepage ad popups and yahoo homepage ads, with an
> ebay auction listing by private party. ANd you obviously are not
> very versed in ebay as well, because any other radio collector who
> is on ebay, and is serious, has been bidding on this stuff.
>
> --- In glowbugradio@ yahoogroups. com, Jim <n6otq@> wrote:
> >
> > I will say now that I'm just not getting the same warm cozy
feeling
> from you that I get from an old tube radio. I didn't say a thing
> about whether the gear should be saved from the landfill. Frankly,
> if that were your ONLY motive, you'd be giving it away for the cost
> of shipping and I do not see any of that going on.
> >
> > The missing piece -- you said "we" saved it but you can't seem to
> say exactly where "we" live besides in the U.S. -- which makes any
> kind of pick-up arrangement impossible. And there's not even a clue
> from your yahoo profile -- it's empty too.
> >
> > And those click-thru ebay search URLs DO pay per click. You just
> haven't figured out the process.
> >
> >
> >
> >
> >
> > --- On Wed, 7/30/08, rottedhonda <rottedhonda@ ...> wrote:
> >
> > > From: rottedhonda <rottedhonda@ ...>
> > > Subject: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-
> shortwave-transceiv ers-phonos- test e
> > > To: glowbugradio@ yahoogroups. com

> > > Date: Wednesday, July 30, 2008, 7:41 AM
> > > --- In glowbugradio@ yahoogroups. com, Jim <n6otq@>
> > > wrote:
> > > >
> > > > You know, these search URLs from ebay put money in the
> > > pockets of
> > > whoever posts them to the net when we click through.
> > > >
> > > > Many of the radio groups I am on, people get deleted
> > > for posting
> > > their ebay search URLs.
> > > >
> > > > And ... down at the bottom of that list-o-junk it said
> > > "pickup
> > > only" but the address of the vendor on epay was
> > > "USA."
> > > >
> > > > It's no surprise that more and more of us have
> > > quit using ebay.
> > > >
> > > > N6OTQ
> > > >
> > > >
> > > you could not be more wrong there
> > > >
> > > this lot of old radio stuff sat in a garage after the owner
> > > died, for
> > > over 10 years now- the surviving family members, were going
> > > to rent a
> > > dumpster, and throw it all out the top attic window, and
> > > send it to
> > > landfill
> > > >
> > > we saved it, to give it another chance at life- in the lot
> > > was at
> > > least 6 tube amped old CB radios from 1960's
> > > >
> > > would you prefer they be scrapped ?
> > > >
> > > you need to stop thinking so selfishly, and look at the big
> > > picture.
> > > >
> > > these items have literally hundreds of watchers so far, and
> > > dozens of
> > > the items have been sold- one radio was an antique
> > > VW/Porsche Bendix
> > > pushbutton, rare and sought after
> > > >
> > > again, all this was going to trash
> > > >

> > > you seem to detest it, for the simple reason, you're
> > > not selling it,
> > > someone else is- that's a lame-ass reason, if ever
> > > there was one
> > >
> > > we're just trying to save some of the stuff, what
> > > doesn't sell, WILL
> > > be thrown out- if you have this negative attitude, what are
> > > you doing
> > > on "glow bulb audio" then ?
> >
>

77. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 19:32:28 UTC
From: rbethman
Topic: 61 Message: 77

This person [sic], SHOULD be removed from this list - PERIOD.

The "rules" are NOT his to make.

Bob - N0DGN

(Back to the 5440)

> .
>
>

--
Bob - N?DGN

78. Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 20:20:46 UTC
From: Carl
Topic: 61 Message: 78

--- In glowbugradio@yahoogroups.com, rbethman <rbethman@...> wrote:
>
> This person [sic], SHOULD be removed from this list - PERIOD.
>
> The "rules" are NOT his to make.
>
> Bob - N0DGN
>
> (Back to the 5440)
>
>
> > .
> > >
> > >
> >
> > --
> Bob - NØDGN

OK guys, calm down. If you notice I replied to him many hours before this little flurry. If he breaks the rules again he is gone....simple. Dont be confused by the geoff8122 screen name. For some reason Yahoo wouldnt accept my old KM1H password nor allow me to change it so I just created another. Maybe someday I'll figure out this computer stuff.

I dont live on the PC and dont expect at this early stage of the forum to have to moderate at all so stay calm until I get to it.

Im glad to at least see that a few are awake so start posting something related to glowbugs.

Carl
KM1H
Chief PITA and whip holder.

79. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 20:35:44 UTC
From: Robert Nickels
Topic: 61 Message: 79

rbethman wrote:
>
> This person [sic], SHOULD be removed from this list - PERIOD.
>

I dunno, I thought his listing provided some comic relief at least, Bob. Like the $150 shipping fee for that piece of crap o'scope? Or some of the descriptions like "AUDIO FIND OF A LIFETIME" and "DON'T MISS THIS CHANCE TO OWN A RARE PIECE OF AUDIO STEREO HISTORY". Or the $900 "collection" of junky old consoles radios?

Maybe Carl could put up a special "Rotted Humor" category and filter all his postings to go there, put up a poll so we can vote on which is the dumbest ;-)

Some of his puffed-up descriptions would make even "Radio Mart" blush!

73 Bob W9RAN

>

80. Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-07-31 20:41:54 UTC
From: Jim Isbell, W5JAI
Topic: 80 Message: 80

> Im glad to at least see that a few are awake so start posting
> something related to glowbugs.
>
> Carl
> KM1H
> Chief PITA and whip holder.

OK, this is Glowbug related, but not altogether.

I am trying to get a Multi-Elmac AF-67 on the air (fully GB transmitter). But in order to do that I also need a reasonable AM receiver. I have an AM receiver, that looks good alongside the AF-67....but whether its a "reasonable" receiver or not is up to debate. And more importantly its not a GB receiver.

But I need some opinions on the usability of the Realistic DX-160 for low band AM usage. The name itself makes me run...the other way...., but I know they did make some stuff that was not too bad. And I got this one new in the box at a thrift shop for $5 so its worth pursuing, if possible.

If anyone is offended by the question....remember, I am trying to get on the air with an AF-67, a worthy GB project. And besides, we need some activity on this list...#8-)

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

81. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 20:42:07 UTC
From: WØQFC
Topic: 61 Message: 81

Maybe this guy is a "EXSPERT"

EXSPERT:

EX= has been

SPERT= a drip under pressure.

. . . .
73

Gene, W?QFC
SPRING HILL, FLORIDA

82. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 20:48:52 UTC
From: rbethman
Topic: 61 Message: 82

Bob,

I agree a good bit with your ideas!

Humor is a good thing. It was just the "multiple" posts, being cussed at, and degrading diatribe.

Sorry, it BUGS me! I'm getting too old for this type of thing. It is PRECISELY why I limit what I subscribe to.

You want humor? OKAY.

I have one lot of 35 BBOD Audio quality capacitors used by HP!

Accepting offers!

<BG>

Bob - N0DGN

Robert Nickels wrote:
>
> rbethman wrote:
> >
> > This person [sic], SHOULD be removed from this list - PERIOD.
> >
>
> I dunno, I thought his listing provided some comic relief at least,
> Bob. Like the $150 shipping fee for that piece of crap o'scope? Or
> some of the descriptions like "AUDIO FIND OF A LIFETIME" and "DON'T MISS
> THIS CHANCE TO OWN A RARE PIECE OF AUDIO STEREO HISTORY". Or the $900
> "collection" of junky old consoles radios?
>
> Maybe Carl could put up a special "Rotted Humor" category and filter all
> his postings to go there, put up a poll so we can vote on which is the
> dumbest ;-)
>
> Some of his puffed-up descriptions would make even "Radio Mart" blush!
>
> 73 Bob W9RAN
>
> >
>
>

--
Bob - N?DGN

83. Re: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-07-31 20:54:19 UTC
From: Bob Macklin
Topic: 80 Message: 83

Almost any Hallicrafters receiver is OK for AM as long as you stay below about 10MCS. You can use them on 20M if you understand the image problem.

And there are a lot of National and Hammerlund receivers that work well on AM.

For AM you don't need the super selectivity you need for CW and SSB.

You can even use a S-38 as a starter AM receiver on 75 and 40.

I choke when I see a RS product!

--- On Thu, 7/31/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:

From: Jim Isbell, W5JAI <jim.isbell@gmail.com>
Subject: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Thursday, July 31, 2008, 1:41 PM

> Im glad to at least see that a few are awake so start posting
> something related to glowbugs.
>
> Carl
> KM1H
> Chief PITA and whip holder.

OK, this is Glowbug related, but not altogether.

I am trying to get a Multi-Elmac AF-67 on the air (fully GB transmitter). But in order to do that I also need a reasonable AM receiver. I have an AM receiver, that looks good alongside the AF-67....but whether its a "reasonable" receiver or not is up to debate. And more importantly its not a GB receiver.

But I need some opinions on the usability of the Realistic DX-160 for low band AM usage. The name itself makes me run...the other way....., but I know they did make some stuff that was not too bad. And I got this one new in the box at a thrift shop for $5 so its worth pursuing, if possible.

If anyone is offended by the question....remember, I am trying to get on the air with an AF-67, a worthy GB project. And besides, we need some activity on this list...#8-)

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

Yahoo! Groups Links

http://docs.yahoo.com/info/terms/

84. Re: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-07-31 20:58:32 UTC
From: Jim Isbell, W5JAI
Topic: 80 Message: 84

On Thu, Jul 31, 2008 at 3:54 PM, Bob Macklin <rottenrobbie0@...> wrote:

> I choke when I see a RS product!

Well, yes, me too, but it was on the shelf in the garage just asking to be used.

Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

85. Re: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-07-31 21:02:03 UTC
From: rbethman
Topic: 80 Message: 85

Jim,

If it will do the job you want, give it a go!

You can always tweak it a bit later on.

Rat Shack has NOT always been bad.

Bob - N0DGN

Jim Isbell, W5JAI wrote:
>
> On Thu, Jul 31, 2008 at 3:54 PM, Bob Macklin <rottenrobbie0@...
> <mailto:rottenrobbie0%40yahoo.com>> wrote:
>
> > I choke when I see a RS product!
>
> Well, yes, me too, but it was on the shelf in the garage just asking
> to be used.
>
> Jim Isbell
> "If you are not living on the edge, well then,
> you are just taking up too much space."
>
>

--
Bob - N?DGN

86. Re: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-07-31 21:38:09 UTC
From: w7qho@aol.com
Topic: 80 Message: 86

In a message dated 7/31/08 1:42:20 PM, jim.isbell@... writes:

> But I need some opinions on the usability of the Realistic DX-160 for
> low band AM usage. The name itself makes me run...the other way....,
> but I know they did make some stuff that was not too bad. And I got
> this one new in the box at a thrift shop for $5 so its worth pursuing,
> if possible.
>
>

Hard to go wrong for $5. I personally have no experience with the DX-160
but would say just turn the thing on, hook up to a piece of wire and listen
around. You should be able to tell pretty quickly whether or not it's a viable
receiver for use on the HF Ham bands.

Dennis D. W7QHO
Glendale, CA

****
Get fantasy football with free live scoring. Sign up for
FanHouse Fantasy Football today.

(http://www.fanhouse.com/fantasyaffair?ncid=aolspr00050000000020)

87. Re: [glowbugradio] Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-07-31 21:57:09 UTC
From: w7qho@aol.com
Topic: 73 Message: 87

In a message dated 7/31/08 11:15:58 AM, john.bauman@... writes:

> I built a superregen receiver last year for the FM BCB and Aircraft AM
> Band. It works pretty good but the audio is a bit tinny sounding. You
> can see a couple photos and schematic in the photo album section under
> john_kb7nrn; super regen.
>

Equally "tinney" on FM and AM?

Dennis D. W7QHO
Glendale, CA

****
Get fantasy football with free live scoring. Sign up for
FanHouse Fantasy Football today.

(http://www.fanhouse.com/fantasyaffair?ncid=aolspr00050000000020)

88. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 23:24:50 UTC
From: Ulf Jonsson
Topic: 61 Message: 88

Amusing discussion :-)

So how can I find these amazing stuff on ebay?

Ulf

rbethman wrote:
>
> Bob,
>
> I agree a good bit with your ideas!
>
> Humor is a good thing. It was just the "multiple" posts, being cussed
> at, and degrading diatribe.
>
> Sorry, it BUGS me! I'm getting too old for this type of thing. It is
> PRECISELY why I limit what I subscribe to.
>
> You want humor? OKAY.
>
> I have one lot of 35 BBOD Audio quality capacitors used by HP!
>
> Accepting offers!
>
> <BG>
>
> Bob - N0DGN
>
> Robert Nickels wrote:
>
>> rbethman wrote:
>> >
>> > This person [sic], SHOULD be removed from this list - PERIOD.
>> >
>>
>> I dunno, I thought his listing provided some comic relief at least,
>> Bob. Like the $150 shipping fee for that piece of crap o'scope? Or
>> some of the descriptions like "AUDIO FIND OF A LIFETIME" and "DON'T MISS
>> THIS CHANCE TO OWN A RARE PIECE OF AUDIO STEREO HISTORY". Or the $900
>> "collection" of junky old consoles radios?
>>
>> Maybe Carl could put up a special "Rotted Humor" category and filter all
>> his postings to go there, put up a poll so we can vote on which is the
>> dumbest ;-)

>>
>> Some of his puffed-up descriptions would make even "Radio Mart" blush!
>>
>> 73 Bob W9RAN
>>
>> >
>>
>
> --
> Bob - N?DGN
>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.5.10/1584 - Release Date: 7/31/2008 12:00 PM
>

89. Re: [glowbugradio] Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-07-31 23:26:48 UTC
From: Bob Macklin
Topic: 73 Message: 89

How does it sound with earphones. It could be the speaker mounting or the enclosure.

Bob Macklin
K5MYJ
Seattle, Wa.

--- On Thu, 7/31/08, w7qho@aol.com <w7qho@...> wrote:

From: w7qho@... <w7qho@...>
Subject: Re: [glowbugradio] Tinny audio on superregen
To: john.bauman@..., glowbugradio@yahoogroups.com
Date: Thursday, July 31, 2008, 2:57 PM

In a message dated 7/31/08 11:15:58 AM, john.bauman@... writes:

I built a superregen receiver last year for the FM BCB and Aircraft AM
Band. It works pretty good but the audio is a bit tinny sounding. You
can see a couple photos and schematic in the photo album section under
john_kb7nrn; super regen.

Equally "tinney" on FM and AM?

Dennis D. W7QHO
Glendale, CA

****
Get fantasy football with free live scoring. Sign up for FanHouse Fantasy Football today.
(http://www.fanhouse.com/fantasyaffair?ncid=aolspr00050000000020)

90. Re: [glowbugradio] HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-07-31 23:42:50 UTC
From: Ulf Jonsson
Topic: 61 Message: 90

I kind of like Ebay. Practical place to sell and buy stuff. I had better luck there than on ARRL ads. At least I can give negative feedback when the "great fully working newly rebuilt TS-520" took me a week of work, new antenna relay and removal of 11m crystal to work :-) The rust is still on the case :-)

Ulf

Jim wrote:
>
> You know, these search URLs from ebay put money in the pockets of
> whoever posts them to the net when we click through.
>
> Many of the radio groups I am on, people get deleted for posting their
> ebay search URLs.
>
> And ... down at the bottom of that list-o-junk it said "pickup only"
> but the address of the vendor on epay was "USA."
>
> It's no surprise that more and more of us have quit using ebay.
>
> N6OTQ
>
> --- On Tue, 7/29/08, rottedhonda <rottedhonda@...
> <mailto:rottedhonda%40yahoo.com>> wrote:
>
> > From: rottedhonda <rottedhonda@...
> <mailto:rottedhonda%40yahoo.com>>
> > Subject: [glowbugradio] HUGE lot estate clearance-tube
> CB's-shortwave-transceivers-phonos-test e
> > To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
> > Date: Tuesday, July 29, 2008, 6:11 PMmunge-a-rama-assZ66Q2dcatalina
> > >
> > STANDARD BRAND AM/FM STEREO TUNER-VINTAGE COMPONENT-$$$
> > - $9.98
> > $15.00 2h 22m
>
> [snip]
>
>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.5.7/1581 - Release Date: 7/30/2008 6:56 AM
>

91. Re: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 00:03:37 UTC
From: Dave And Merrijoy
Topic: 80 Message: 91

A lot of fellows don't like Radio Shack equipment for whatever reason.
But I combine a DX-392 with a glowbug QRP transmitter and I find
the receiver does a mighty good job. No complaints whatsoever.
Dave w9ocm

----- Original Message -----
From: Jim Isbell, W5JAI
To: glowbugradio@yahoogroups.com
Sent: Thursday, July 31, 2008 4:41 PM
Subject: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.

> Im glad to at least see that a few are awake so start posting
> something related to glowbugs.
>
> Carl
> KM1H
> Chief PITA and whip holder.

OK, this is Glowbug related, but not altogether.

I am trying to get a Multi-Elmac AF-67 on the air (fully GB
transmitter). But in order to do that I also need a reasonable AM
receiver. I have an AM receiver, that looks good alongside the
AF-67....but whether its a "reasonable" receiver or not is up to
debate. And more importantly its not a GB receiver.

But I need some opinions on the usability of the Realistic DX-160 for
low band AM usage. The name itself makes me run...the other way....,
but I know they did make some stuff that was not too bad. And I got
this one new in the box at a thrift shop for $5 so its worth pursuing,
if possible.

If anyone is offended by the question....remember, I am trying to get
on the air with an AF-67, a worthy GB project. And besides, we need
some activity on this list...#8-)

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.5.7/1581 - Release Date: 7/30/2008 6:56 AM

92. Re: Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-08-01 00:17:52 UTC
From: Carl
Topic: 73 Message: 92

--- In glowbugradio@yahoogroups.com, w7qho@... wrote:
>
>
> In a message dated 7/31/08 11:15:58 AM, john.bauman@... writes:
>
>
> > I built a superregen receiver last year for the FM BCB and
Aircraft AM
> > Band. It works pretty good but the audio is a bit tinny sounding.
You
> > can see a couple photos and schematic in the photo album section
under
> > john_kb7nrn; super regen.
> >
>
> Equally "tinney" on FM and AM?
>
> Dennis D. W7QHO
> Glendale, CA

I dont understand the first audio stage. Why not eliminate the 2 caps which are bypassing all the hi's to ground and then bypass the cathode resistor with a 20 mF? Change the 100 mF to 20 mf also. Worry about the low end response later if necessary. The 150K may be unnecesssary.

Are you sure T2 is OK or not connected in reverse? If you have high impedance headphones replace T2 with a generic filter choke and couple the audio thru a .05 to .1 cap as a test.

Carl
KM1H

93. Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 00:30:00 UTC
From: Carl
Topic: 80 Message: 93

--- In glowbugradio@yahoogroups.com, "Jim Isbell, W5JAI"
<jim.isbell@...> wrote:
>
> > Im glad to at least see that a few are awake so start posting
> > something related to glowbugs.
> >
> > Carl
> > KM1H
> > Chief PITA and whip holder.
>
>
> OK, this is Glowbug related, but not altogether.
>
> I am trying to get a Multi-Elmac AF-67 on the air (fully GB
> transmitter). But in order to do that I also need a reasonable AM
> receiver. I have an AM receiver, that looks good alongside the
> AF-67....but whether its a "reasonable" receiver or not is up to
> debate. And more importantly its not a GB receiver.
>
> But I need some opinions on the usability of the Realistic DX-160
for
> low band AM usage. The name itself makes me run...the other
way....,
> but I know they did make some stuff that was not too bad. And I got
> this one new in the box at a thrift shop for $5 so its worth
pursuing,
> if possible.
>
> If anyone is offended by the question....remember, I am trying to
get
> on the air with an AF-67, a worthy GB project. And besides, we need
> some activity on this list...#8-)
>
> --
> Jim Isbell
> "If you are not living on the edge, well then,
> you are just taking up too much space."
>

Drift, images, poor selectivity, audio and dial calibration.

BUT some people want them as a reminder of their first radio and if
its a real NIB Id dump it on Ebay and put the cash to something
better.

Carl
KM1H

94. Re: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 00:34:06 UTC
From: Bob Macklin
Topic: 80 Message: 94

I worked in a RS store for a few weeks in 1987 when I was between REAL jobs. That few weeks just gave me a REAL BAD TASTE for RS!

Bob Macklin
K5MYJ
Seattle, Wa.

--- On Thu, 7/31/08, Dave And Merrijoy <merrijoy@frontiernet.net> wrote:

From: Dave And Merrijoy <merrijoy@...>
Subject: Re: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Thursday, July 31, 2008, 5:03 PM

A lot of fellows don't like Radio Shack equipment for whatever reason.
But I combine a DX-392 with a glowbug QRP transmitter and I find
the receiver does a mighty good job. No complaints whatsoever.
Dave w9ocm

----- Original Message -----
From: Jim Isbell, W5JAI
To: glowbugradio@yahoogroups.com
Sent: Thursday, July 31, 2008 4:41 PM
Subject: [glowbugradio] Glowbug related? Yes. Glowbug exactly? Not exactly.

> Im glad to at least see that a few are awake so start posting
> something related to glowbugs.
>
> Carl
> KM1H
> Chief PITA and whip holder.

OK, this is Glowbug related, but not altogether.

I am trying to get a Multi-Elmac AF-67 on the air (fully GB
transmitter) . But in order to do that I also need a reasonable AM
receiver. I have an AM receiver, that looks good alongside the
AF-67....but whether its a "reasonable" receiver or not is up to
debate. And more importantly its not a GB receiver.

But I need some opinions on the usability of the Realistic DX-160 for
low band AM usage. The name itself makes me run...the other way....,
but I know they did make some stuff that was not too bad. And I got
this one new in the box at a thrift shop for $5 so its worth pursuing,
if possible.

If anyone is offended by the question.... remember, I am trying to get
on the air with an AF-67, a worthy GB project. And besides, we need
some activity on this list...#8-)

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.5.7/1581 - Release Date: 7/30/2008 6:56 AM

95. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 00:39:42 UTC
From: Bob Macklin
Topic: 80 Message: 95

Yes sell the RS unit and get something like a NC-183D!

Bob Macklin
K5MYJ
Seattle, Wa.

--- On Thu, 7/31/08, Carl <km1h@...> wrote:

From: Carl <km1h@...>
Subject: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Thursday, July 31, 2008, 5:30 PM

--- In glowbugradio@yahoogroups.com, "Jim Isbell, W5JAI"
<jim.isbell@...> wrote:
>
> > Im glad to at least see that a few are awake so start posting
> > something related to glowbugs.
> >
> > Carl
> > KM1H
> > Chief PITA and whip holder.
>
>
> OK, this is Glowbug related, but not altogether.
>
> I am trying to get a Multi-Elmac AF-67 on the air (fully GB
> transmitter). But in order to do that I also need a reasonable AM
> receiver. I have an AM receiver, that looks good alongside the
> AF-67....but whether its a "reasonable" receiver or not is up to
> debate. And more importantly its not a GB receiver.
>
> But I need some opinions on the usability of the Realistic DX-160
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> low band AM usage. The name itself makes me run...the other
way....,
> but I know they did make some stuff that was not too bad. And I got
> this one new in the box at a thrift shop for $5 so its worth
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> if possible.
>
> If anyone is offended by the question....remember, I am trying to
get
> on the air with an AF-67, a worthy GB project. And besides, we need
> some activity on this list...#8-)

>
> --
> Jim Isbell
> "If you are not living on the edge, well then,
> you are just taking up too much space."
>

Drift, images, poor selectivity, audio and dial calibration.

BUT some people want them as a reminder of their first radio and if its a real NIB Id dump it on Ebay and put the cash to something better.

Carl
KM1H

Yahoo! Groups Links

http://docs.yahoo.com/info/terms/

96. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-08-01 01:19:54 UTC
From: Jim
Topic: 61 Message: 96

--- On Thu, 7/31/08, Ulf Jonsson <jonssouj@...> wrote:

> Amusing discussion :-)
>
> So how can I find these amazing stuff on ebay?

I've stopped posting to ebay, but maybe I'll dig out some of my General Radio oscillator collection, and if I can find a junker scope around here that works, post photos ... with two zeroes added to whatever I paid for it.

Will that work for you?

Actually, when those oscillators were new, they probably cost the equivalent of $500 today. But you'd really need to be insane to pay that much for one now -- the whole time I was collecting these things I never paid more than $20, and rarely paid more than $10, shipping excluded.

I had to replace a few tubes.

One of them, a "lighthouse" style triode, I had to take a pair of scissors to it to cut off part of the grid ring so it'd fit in the socket in the oscillator. But it worked FB when I turned it on.

And -- frequency calibration on those old oscillators? All you need is an allen wrench.

Predictably, I also have about 10 kilograms of the GenRad non-polarized connectors. I measure them in kilos so my XYL doesn't think I have as many ...

N6OTQ

97. RE: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 01:24:25 UTC
From: D C *Mac* Macdonald
Topic: 80 Message: 97

OR!

Find a Multi-Elmac PMR-7 or PMR-8 to go with your AF-67!

73 - Mac, K2GKK/5
Oklahoma City, OK

To: glowbugradio@yahoogroups.com
From: rottenrobbie0@...
Date: Thu, 31 Jul 2008 17:39:42 -0700
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yes sell the RS unit and get something like a NC-183D!

Bob Macklin
K5MYJ
Seattle, Wa.

--- On Thu, 7/31/08, Carl wrote:

From: Carl
Subject: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Thursday, July 31, 2008, 5:30 PM

Drift, images, poor selectivity, audio and dial calibration.

BUT some people want them as a reminder of their first radio and if its a real NIB I'd dump it on Ebay and put the cash to something better.

Carl
KM1H

--- In glowbugradio@yahoogroups.com, "Jim Isbell, W5JAI" wrote:

OK, this is Glowbug related, but not altogether.

I am trying to get a Multi-Elmac AF-67 on the air (fully GB transmitter). But in order to do that I also need a reasonable AM receiver. I have an AM receiver, that looks good alongside the AF-67....but whether its a "reasonable" receiver or not is up to debate. And more importantly its not a GB receiver.

But I need some opinions on the usability of the Realistic DX-160 for low band AM usage. The name itself makes me run...the other way...., but I know they did

make some stuff that was not too bad. And I got this one new in the box at a thrift shop for $5 so its worth pursuing, if possible.

If anyone is offended by the question....remember, I am trying to get on the air with an AF-67, a worthy GB project. And besides, we need some activity on this list...#8-)

--
Jim Isbell

"If you are not living on the edge, well then, you are just taking up too much space."

98. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 01:34:49 UTC
From: Jim Isbell, W5JAI
Topic: 80 Message: 98

On Thu, Jul 31, 2008 at 8:24 PM, D C *Mac* Macdonald <k2gkk@...> wrote:
>
> OR!
>
> Find a Multi-Elmac PMR-7 or PMR-8 to go with your AF-67!
>
> 73 - Mac, K2GKK/5
> Oklahoma City, OK

Right....and I am going to get enough money out of dumping the DX-160
to cover the cost of a PMR-7 or a PMR-8....???

Anyone out there want to trade??? I thought not....#8-)

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

99. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-08-01 01:44:50 UTC
From: Ulf Jonsson
Topic: 61 Message: 99

You must have stayed up to long last night enjoying the opening on 40m:-)

Promise to go to be early tonight so you don't end up that grumpy :-)

Ulf

Jim wrote:
>
> --- On Thu, 7/31/08, Ulf Jonsson <jonssouj@...
> <mailto:jonssouj%40cox.net>> wrote:
>
> > Amusing discussion :-)
> >
> > So how can I find these amazing stuff on ebay?
>
> I've stopped posting to ebay, but maybe I'll dig out some of my
> General Radio oscillator collection, and if I can find a junker scope
> around here that works, post photos ... with two zeroes added to
> whatever I paid for it.
>
> Will that work for you?
>
> Actually, when those oscillators were new, they probably cost the
> equivalent of $500 today. But you'd really need to be insane to pay
> that much for one now -- the whole time I was collecting these things
> I never paid more than $20, and rarely paid more than $10, shipping
> excluded.
>
> I had to replace a few tubes.
>
> One of them, a "lighthouse" style triode, I had to take a pair of
> scissors to it to cut off part of the grid ring so it'd fit in the
> socket in the oscillator. But it worked FB when I turned it on.
>
> And -- frequency calibration on those old oscillators? All you need is
> an allen wrench.
>
> Predictably, I also have about 10 kilograms of the GenRad
> non-polarized connectors. I measure them in kilos so my XYL doesn't
> think I have as many ...
>
> N6OTQ
>
>

> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.5.10/1584 - Release Date: 7/31/2008 12:00 PM
>

100. RE: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 01:55:12 UTC
From: D C *Mac* Macdonald
Topic: 80 Message: 100

Well, Jim, would you be interested in a National NC-57 project receiver?
How about a Gonset G-66?

73 - Mac, K2GKK/5
Oklahoma City, OK

To: glowbugradio@yahoogroups.com
From: jim.isbell@...
Date: Thu, 31 Jul 2008 20:34:49 -0500
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Right....and I am going to get enough money out of dumping the DX-160
to cover the cost of a PMR-7 or a PMR-8....???

Anyone out there want to trade??? I thought not....#8-)

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

On Thu, Jul 31, 2008 at 8:24 PM, D C *Mac* Macdonald <k2gkk@...> wrote:

OR!

Find a Multi-Elmac PMR-7 or PMR-8 to go with your AF-67!

73 - Mac, K2GKK/5
Oklahoma City, OK

101. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 02:16:05 UTC
From: Jim Isbell, W5JAI
Topic: 80 Message: 101

Dont need another project...#8-) Whats a G-66 look like?

On Thu, Jul 31, 2008 at 8:55 PM, D C *Mac* Macdonald <k2gkk@...> wrote:
>
> Well, Jim, would you be interested in a National NC-57 project receiver?
> How about a Gonset G-66?
>
> 73 - Mac, K2GKK/5
> Oklahoma City, OK
>
>
>
> _____
>
> To: glowbugradio@yahoogroups.com
> From: jim.isbell@...
> Date: Thu, 31 Jul 2008 20:34:49 -0500
> Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not
> exactly.
>
> Right....and I am going to get enough money out of dumping the DX-160
> to cover the cost of a PMR-7 or a PMR-8....???
>
> Anyone out there want to trade??? I thought not....#8-)
>
> --
> Jim Isbell
> "If you are not living on the edge, well then,
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>
>
> On Thu, Jul 31, 2008 at 8:24 PM, D C *Mac* Macdonald <k2gkk@...>
> wrote:
>
> OR!
>
> Find a Multi-Elmac PMR-7 or PMR-8 to go with your AF-67!
>
> 73 - Mac, K2GKK/5
> Oklahoma City, OK
>
>

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

102. RE: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 02:24:37 UTC
From: D C *Mac* Macdonald
Topic: 80 Message: 102

Here's a National NC-125 on the ebay. I have a neighbor
who also might have one for sale here in OKC.

(http://cgi.ebay.com/VINTAGE-NATIONAL-MODEL-NC-125-HAM-RADIO_W0QQitemZ310070663198QQcmdZViewItem?hash=item310070663198)

Here's a drawing and specs for the Gonset G-66:

(http://www.rigpix.com/gonset/g66.htm)

Mac

To: glowbugradio@yahoogroups.comFrom: jim.isbell@...: Thu, 31 Jul 2008 21:16:05 -0500Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Dont need another project...#8-) Whats a G-66 look like?

On Thu, Jul 31, 2008 at 8:55 PM, D C *Mac* Macdonald <k2gkk@...> wrote:>> Well, Jim, would you be interested in a National NC-57 project receiver?> How about a Gonset G-66?>> 73 - Mac, K2GKK/5> Oklahoma City, OK>
.

103. If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 02:31:50 UTC
From: kf6 pqt
Topic: 103 Message: 103
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

104. Re: [glowbugradio] If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 02:57:34 UTC
From: Mike WE0H
Topic: 103 Message: 104

That's easy, just go to that shady auction place and you can buy all the components to build a high power transistor amp. I actually took a 120w chicken band amp and converted it to 600 meters :-) Works great down there. It actually worked excellent on 160 meters before the conversion, but I was testing it there to see if it worked at all.

Mike
WE0H

kf6 pqt wrote:
> Ok, since this place is already sounding a little bit like 11m
> already, lets test some boundaries.
>
> How would you go about building the biggest amplifier you could? ;)
> Links to pix and schematics encouraged.
>
> My interests lie in 80 and 40 meters, but I'm asking about this "dark
> side" technology out of academic curiosity.
>
> Lets divide it into categories, based on how they're powered: 12v dc,
> 48v dc, 120v ac, and 220v ac.
>
> Thanks and 73

105. Re: [glowbugradio] If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 03:12:33 UTC
From: Jim
Topic: 103 Message: 105

I'll limit this to the biggest amplifier I can get up three flights of stairs to my apartment.

Find a surplus 13.56 MHz plasma generator, the bigger the better. And if it's a pair of them, even better!

Since all of these plasma generators over 1000 watts are 3-phase, the first thing to do is to yank the power supply. If you've got two of them, parallel the secondaries at the output from the diodes, and feed one primary winding on each on single-phase, either from the dryer outlet or from the stove outlet. If you've just got one transformer, you'll only get half the rated power out of your transformer on single-phase, but you've got two spare primary winding to burn up.

Next, bump the filter capacitor on the HV supply up to about 80 uF (for 3-phase it's about 2 uF), and employ suitable safety circuitry. Use some stainless-steel hotrod sparkplug wire for the anode lead. If you do a good job, you MIGHT get all this into one chassis that weighs less than 400 lbs.

You borrowed an appliance dolly, right? Three flights of stairs!

Next, cut a tank coil for your band of interest, and pad the tune and load caps as necessary. There's a spreadsheet floating around on the internet that will help you ascertain the right values. Find this spreadsheet, measure the idling voltage on your 400 lb electric-chair plate supply, and make the adjustments. Silverplating the coil with CoolAmp is optional, but it adds that Martha Stewart touch.

Using the appliance dolly, haul your 10 KW dummy load upstairs. Oh, did I forget to mention the dummy load that you need for initial tuning and testing? My bad!

I guess I also forgot about the 7/8" heliax you will need for jumpers from the amp to the dummy load, and then to your antenna. MY antenna is made from 1/2" rigid copper pipe, but it's only good for an estimated 10 KW and it is a little unwieldy below 15 meters, especially when i have to pull it into the living room every morning before dawn.

Tune, load, key up. For maximum enjoyment, have a friend stand downstairs and videotape the little dial on your electric meter when you hit the key.

QSY to channel 6 and talk real fast like everybody else on the Super Bowl. The reasons they talk real fast? First, their amp will self-destruct in 30 seconds, because it was built by cracker rednecks whose only claim to fame is bolting together yop fuel dragster motors that only last 5 seconds. Second, the FCC now has sub-orbital killer missiles with homing beacon receivers that launch from Vandenberg and land on your head if you hold the key down for more than 2 minutes.

Finally, with gasoline at $4 a gallon, you can't afford the electricity!

73,
"Unit 992"

PS -- The blower on that 3-phase plasma generator also runs on 3-phase. Guess how much money the new tube is gonna cost?

You got it, nearly as much as your forefeiture! Yaaaay!!

--- On Thu, 7/31/08, kf6 pqt <kf6pqt.gb@...> wrote:

> Ok, since this place is already sounding a little bit like
> 11m already, lets
> test some boundaries.
>
> How would you go about building the biggest amplifier you
> could?

106. Re: [glowbugradio] Re: HUGE lot estate clearance-tube CB's-shortwave-transceivers-phonos-test e

Yahoo group: glowbugradio
Date: 2008-08-01 03:16:57 UTC
From: Jim
Topic: 61 Message: 106

--- On Thu, 7/31/08, Ulf Jonsson <jonssouj@...> wrote:

> You must have stayed up to long last night enjoying the
> opening on 40m:-)
>
> Promise to go to be early tonight so you don't end up
> that grumpy :-)

Hey, I'm not grumpy! And I'm not an old man, AARP membership notwithstanding.

Jim

107. Re: If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 03:23:15 UTC
From: kk7iz
Topic: 103 Message: 107

Just happen to have several plasma generators available. How many megawatts you want? Tubes or SS? On wheels or donkey cart? Lloyd

--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> I'll limit this to the biggest amplifier I can get up three flights of stairs to my apartment.
>
> Find a surplus 13.56 MHz plasma generator, the bigger the better. And if it's a pair of them, even better!
>
> Since all of these plasma generators over 1000 watts are 3-phase, the first thing to do is to yank the power supply. If you've got two of them, parallel the secondaries at the output from the diodes, and feed one primary winding on each on single-phase, either from the dryer outlet or from the stove outlet. If you've just got one transformer, you'll only get half the rated power out of your transformer on single-phase, but you've got two spare primary winding to burn up.
>
> Next, bump the filter capacitor on the HV supply up to about 80 uF (for 3-phase it's about 2 uF), and employ suitable safety circuitry. Use some stainless-steel hotrod sparkplug wire for the anode lead. If you do a good job, you MIGHT get all this into one chassis that weighs less than 400 lbs.
>
> You borrowed an appliance dolly, right? Three flights of stairs!
>
> Next, cut a tank coil for your band of interest, and pad the tune and load caps as necessary. There's a spreadsheet floating around on the internet that will help you ascertain the right values. Find this spreadsheet, measure the idling voltage on your 400 lb electric-chair plate supply, and make the adjustments. Silverplating the coil with CoolAmp is optional, but it adds that Martha Stewart touch.
>
> Using the appliance dolly, haul your 10 KW dummy load upstairs. Oh, did I forget to mention the dummy load that you need for initial tuning and testing? My bad!
>
> I guess I also forgot about the 7/8" heliax you will need for jumpers from the amp to the dummy load, and then to your antenna. MY antenna is made from 1/2" rigid copper pipe, but it's only good for an estimated 10 KW and it is a little unwieldy below 15 meters, especially when i have to pull it into the living room every morning before dawn.

>
> Tune, load, key up. For maximum enjoyment, have a friend stand downstairs and videotape the little dial on your electric meter when you hit the key.
>
> QSY to channel 6 and talk real fast like everybody else on the Super Bowl. The reasons they talk real fast? First, their amp will self-destruct in 30 seconds, because it was built by cracker rednecks whose only claim to fame is bolting together yop fuel dragster motors that only last 5 seconds. Second, the FCC now has sub-orbital killer missiles with homing beacon receivers that launch from Vandenberg and land on your head if you hold the key down for more than 2 minutes.
>
> Finally, with gasoline at $4 a gallon, you can't afford the electricity!
>
> 73,
> "Unit 992"
>
> PS -- The blower on that 3-phase plasma generator also runs on 3-phase. Guess how much money the new tube is gonna cost?
>
> You got it, nearly as much as your forefeiture! Yaaaay!!
>
>
>
>
>
> --- On Thu, 7/31/08, kf6 pqt <kf6pqt.gb@...> wrote:
>
> > Ok, since this place is already sounding a little bit like
> > 11m already, lets
> > test some boundaries.
> >
> > How would you go about building the biggest amplifier you
> > could?
>

108. Re: [glowbugradio] Re: If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 03:31:21 UTC
From: Jim
Topic: 103 Message: 108

If you're in 7-land, I can't afford the gas!!

Or the Class 100 truck freight.

As soon as I finish converting all my 13.56 MHz generators, I'll be in the market again. The "parts" solid-state units have all been reduced to parts, and the "keepers" are awaiting restoration. The 3-1000Z and the 3CX3000 generators are awaiting an executive decision on whether to break off the RF decks and remote the PS, or to build "desktop" amps that weigh as much as an assembled Chevy 350 engine.

Jury's still out on the various solid-state units below 1000 kHz, and on the various HV supplies, and on the 20 KW pulse microwave unit.

Meantime, despite my best intentions, these kinds of things keep coming to me. Reminds me, I need to plug that matched-quad set of 572Bs into the amp on the floor real soon now....

--- On Thu, 7/31/08, kk7iz <kk7iz@...> wrote:

> Just happen to have several plasma generators available. How
> many
> megawatts you want? Tubes or SS? On wheels or donkey cart?

109. Re: [glowbugradio] If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 03:46:45 UTC
From: Robert Nickels
Topic: 103 Message: 109

kf6 pqt wrote:
> Ok, since this place is already sounding a little bit like 11m already,

Well, so does 3885 on some occasions ;-)
>
> How would you go about building the biggest amplifier you could? ;)
> Links to pix and schematics encouraged.
>

So I won't limit this to 11 meters, just select the plate tank of your choice ;-) The power supply would be based on a "pole pig" for sure, the tube likes to have about 7KV on the plate but that would make 3.5 to 4 kw now wouldn't it? Be sure to wire up meters on everything, and a variac with a big honkin' handle on it about the size of the steering wheel of a 1950 Hudson. Put one just like it on the filament supply so you can play broadcast engineer and "bring 'er up slowly"... Be sure to set aside one full rack for the power supply...you'll need it! Lay in a heavy duty 220 volt AC service too.

RF-wise it would have at least one, and preferably a pair of 4-1000s. Not because they are the baddest tube on the planet but because they are the baddest *looking* ones - to wit: http://www.qsl.net/nt8n/project.htm Might need to rewind a MWT, you'll need 7.5 volts at 21 amps just to light each one up. Keep a brick handy to put on the key when you want do to some testing, we're talking continuous duty here.

I'd have to dig back in the pile of 73 mags from when they were printed in the small format for the article I have in mind, but it seemed to describe the prototypical "California Kilowatt", built in a cabinet that you could lose a good side fridge in. Of course it would just "loaf along" at the legal limit. That was the theory, at least. Sorta like this one but not nearly as modern-looking: http://www.n4da.com/amplifie.htm

OK, 833A fans, tell me what's wrong with this picture ;-)

73, Bob W9RAN

110. Re: [glowbugradio] Re: If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 03:51:25 UTC
From: Mike WE0H
Topic: 103 Message: 110

Those SS <1000kc amp decks would work for 600 meter amps with little changes.

Mike
WE0H

Jim wrote:
> If you're in 7-land, I can't afford the gas!!
>
> Or the Class 100 truck freight.
>
> As soon as I finish converting all my 13.56 MHz generators, I'll be in the market again. The "parts" solid-state units have all been reduced to parts, and the "keepers" are awaiting restoration. The 3-1000Z and the 3CX3000 generators are awaiting an executive decision on whether to break off the RF decks and remote the PS, or to build "desktop" amps that weigh as much as an assembled Chevy 350 engine.
>
> Jury's still out on the various solid-state units below 1000 kHz, and on the various HV supplies, and on the 20 KW pulse microwave unit.
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> Meantime, despite my best intentions, these kinds of things keep coming to me. Reminds me, I need to plug that matched-quad set of 572Bs into the amp on the floor real soon now....
>
>
> --- On Thu, 7/31/08, kk7iz > wrote:
>
>
>> Just happen to have several plasma generators available. How
>> many
>> megawatts you want? Tubes or SS? On wheels or donkey cart?

111. Re: [glowbugradio] If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 12:48:15 UTC
From: Carl
Topic: 103 Message: 111

The big boys these days are starting at the YC-156 and going up from there. The 3CX6000/YC-163 and 3CX10000 are popular and cost effective.

The YC-156 is probably the best legal or illegal amp tube out there. They are available cheap as medical pulls. No socket required, the grid ring bolts to the chassis.

With 100W drive it will do ~2K out 24/7 and last forever. At 300W drive it creates serious RF still within ratings.

Its basically a 3CX5000 anode with a 3CX15000 internals to give gobs of reserve emission and superb linearity. Indirectly heated filament doesnt spin the meter very fast.

Very few waste time on the oldies such as the 4-1000A and 3CX3000A7 any longer.

Those with resources still build 2 to 4 hole 8877 amps.

A few use Russian tubes but the sources are drying up and replacements may become a problem.

SS is popular with the chicken banders but when you consider the filtering sections and protection needed for ham bands its not cost effective yet at serious power. Besides, silicon fuses arent very forgiving.

I have a YC-156 and most of the parts. Its a future project for a completely idiot proof legal amp that I can run into my senile years.

Carl
KM1H

----- Original Message -----
From: "kf6 pqt" <kf6pqt.gb@...>
To: <glowbugradio@yahoogroups.com>
Sent: Thursday, July 31, 2008 10:31 PM
Subject: [glowbugradio] If you were to build the biggest, baddest 11m amp...?

> Ok, since this place is already sounding a little bit like 11m
> already, lets
> test some boundaries.
>
> How would you go about building the biggest amplifier you could? ;)
> Links to
> pix and schematics encouraged.
>

> My interests lie in 80 and 40 meters, but I'm asking about this "dark
> side"
> technology out of academic curiosity.
>
> Lets divide it into categories, based on how they're powered: 12v dc,
> 48v
> dc, 120v ac, and 220v ac.
>
> Thanks and 73
>
> --
>

112. Re: [glowbugradio] If you were to build the biggest, baddest 11m amp...?

Yahoo group: glowbugradio
Date: 2008-08-01 13:23:03 UTC
From: Mike WE0H
Topic: 103 Message: 112

Careful Carl, your setting yourself up for some jokes :-)

Mike
WE0H

Carl wrote:
> snipped...
> I have a YC-156 and most of the parts. Its a future project for a
> completely idiot proof legal amp *that I can run into my senile years.
> *
> Carl
> KM1H

113. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 16:09:33 UTC
From: Glen Zook
Topic: 80 Message: 113

It looks just like the matching G77 transmitter!

Now, for a less than an "educated donkey" reply: Go to

http://www.rigpix.com/gonset/g66.htm

and you can get an idea as to how they look.

Glen, K9STH

Website: http://k9sth.com

--- On Thu, 7/31/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:
From: Jim Isbell, W5JAI <jim.isbell@...>

Dont need another project...#8-) Whats a G-66 look like?

114. Re: Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-08-01 16:11:12 UTC
From: john_kb7nrn
Topic: 73 Message: 114

Carl,
The 150 k resistor and 470 pf cap are there to filter out the stereo pilot tone. The 1000 pf cap between the pot wiper and grid is to bypass RF because I was getting RF feedback in the audio.

The receiver plays with some highs and midrange but the low end is really lacking.

The interstage and output transformers are wired correctly and show continuity through the windings.

The speaker is from a stereo boom box.

I'll start by removing the 150k resistor and 470 pf cap and see how it sounds.

John
KB7NRN

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
> I dont understand the first audio stage. Why not eliminate the 2 caps
> which are bypassing all the hi's to ground and then bypass the
> cathode resistor with a 20 mF? Change the 100 mF to 20 mf also. Worry
> about the low end response later if necessary. The 150K may be
> unnecesssary.
>
> Are you sure T2 is OK or not connected in reverse? If you have high
> impedance headphones replace T2 with a generic filter choke and
> couple the audio thru a .05 to .1 cap as a test.
>
>
> Carl
> KM1H
>

115. Re: Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-08-01 16:15:02 UTC
From: john_kb7nrn
Topic: 73 Message: 115

Dennis,
Audio is pretty much the same, tho on AM, the aircraft comm radios are
pretty ristricted freq wise.

John
KB7NRN
--- In glowbugradio@yahoogroups.com, w7qho@... wrote:
>
> Equally "tinney" on FM and AM?
>
> Dennis D. W7QHO
> Glendale, CA

116. Re: [glowbugradio] Re: Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-08-01 17:09:52 UTC
From: Carl
Topic: 73 Message: 116

OK on the pilot tone, my last superregen was before stereo FM!

I would expect the lack of lows with the unbypassed cathode of the triode part ot the 6T9.

Carl

----- Original Message -----
From: "john_kb7nrn" <john.bauman@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, August 01, 2008 12:11 PM
Subject: [glowbugradio] Re: Tinny audio on superregen

Carl,
The 150 k resistor and 470 pf cap are there to filter out the stereo pilot tone. The 1000 pf cap between the pot wiper and grid is to bypass RF because I was getting RF feedback in the audio.

The receiver plays with some highs and midrange but the low end is really lacking.

The interstage and output transformers are wired correctly and show continuity through the windings.

The speaker is from a stereo boom box.

I'll start by removing the 150k resistor and 470 pf cap and see how it sounds.

John
KB7NRN

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
> I dont understand the first audio stage. Why not eliminate the 2 caps
> which are bypassing all the hi's to ground and then bypass the
> cathode resistor with a 20 mF? Change the 100 mF to 20 mf also. Worry
> about the low end response later if necessary. The 150K may be
> unnecesssary.
>
> Are you sure T2 is OK or not connected in reverse? If you have high
> impedance headphones replace T2 with a generic filter choke and
> couple the audio thru a .05 to .1 cap as a test.
>
>

> Carl
> KM1H
>

117. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 17:29:40 UTC
From: Jim Isbell, W5JAI
Topic: 80 Message: 117

Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter
was only 10-80 and AM,CW only. That isnt much of a match.

On Fri, Aug 1, 2008 at 11:09 AM, Glen Zook <gzook@...> wrote:
> It looks just like the matching G77 transmitter!
>
> Now, for a less than an "educated donkey" reply: Go to
>
> http://www.rigpix.com/gonset/g66.htm
>
> and you can get an idea as to how they look.
>
> Glen, K9STH
>
> Website: http://k9sth.com
>
> --- On Thu, 7/31/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:
>
> From: Jim Isbell, W5JAI <jim.isbell@...>
>
> Dont need another project...#8-) Whats a G-66 look like?
>
>

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

118. Re: Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-08-01 17:34:16 UTC
From: john_kb7nrn
Topic: 73 Message: 118

Ok,
I'll throw a ~20uf cap across the cathode resistor on the triode
section. That's easy.

John
--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
>
> OK on the pilot tone, my last superregen was before stereo FM!
>
> I would expect the lack of lows with the unbypassed cathode of the
> triode part ot the 6T9.
>
> Carl
>
>
> ----- Original Message -----
> From: "john_kb7nrn" <john.bauman@...>
> To: <glowbugradio@yahoogroups.com>
> Sent: Friday, August 01, 2008 12:11 PM
> Subject: [glowbugradio] Re: Tinny audio on superregen
>
>
> Carl,
> The 150 k resistor and 470 pf cap are there to filter out the
stereo
> pilot tone. The 1000 pf cap between the pot wiper and grid is to
> bypass RF because I was getting RF feedback in the audio.
>
> The receiver plays with some highs and midrange but the low end is
> really lacking.
>
> The interstage and output transformers are wired correctly and show
> continuity through the windings.
>
> The speaker is from a stereo boom box.
>
> I'll start by removing the 150k resistor and 470 pf cap and see how
> it sounds.
>
> John
> KB7NRN
>
>
> --- In glowbugradio@yahoogroups.com, "Carl" <km1h@> wrote:
> > I dont understand the first audio stage. Why not eliminate the 2

> caps
> > which are bypassing all the hi's to ground and then bypass the
> > cathode resistor with a 20 mF? Change the 100 mF to 20 mf also.
> Worry
> > about the low end response later if necessary. The 150K may be
> > unnecesssary.
> >
> > Are you sure T2 is OK or not connected in reverse? If you have
> high
> > impedance headphones replace T2 with a generic filter choke and
> > couple the audio thru a .05 to .1 cap as a test.
> >
> >
> > Carl
> > KM1H
> >
>

119. RE: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 18:39:26 UTC
From: D C *Mac* Macdonald
Topic: 80 Message: 119

The G-66 (and G-66B) receivers simply tuned .55 - 2.0 MHz (MC/Sec)
which included the 160 meter band at the top end of the AM Broadcast
band.

Wife Judy (unlicensed then) and I took 6th place in Class C of 1962 Field Day
with the 66/77 pair from Sacramento (and vicinity), CA.

They were really neat looking (and performing) radios what with the
chrome-plated faceplates. I traded those in at Ed Juge (SK-W5TOO)
Electronics in Ft Worth, TX back in 1964. I have acquired two more
sets of these twins, one G-66B NIB with matching bolt-on power supply.
That one is definitely NOT available, but the other one is pretty nice.

Mac, K2GKK/5
Oklahoma City

To: glowbugradio@yahoogroups.com
From: jim.isbell@gmail.com
Date: Fri, 1 Aug 2008 12:29:40 -0500
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter
was only 10-80 and AM,CW only. That isnt much of a match.

On Fri, Aug 1, 2008 at 11:09 AM, Glen Zook <gzook@...> wrote:
> It looks just like the matching G77 transmitter!
>
> Now, for a less than an "educated donkey" reply: Go to
>
> http://www.rigpix.com/gonset/g66.htm
>
> and you can get an idea as to how they look.
>
> Glen, K9STH

120. Re: [glowbugradio] Re: Tinny audio on superregen

Yahoo group: glowbugradio
Date: 2008-08-01 19:25:55 UTC
From: w7qho@aol.com
Topic: 73 Message: 120

In a message dated 8/1/08 9:16:16 AM, john.bauman@... writes:

> Audio is pretty much the same, tho on AM, the aircraft comm radios are
> pretty ristricted freq wise.
>

John,

OK, that would seem to isolate the problem to the audio section which I note other commentators are addressing as well. Good luck.

Dennis D. W7QHO
Glendale, CA

****
Looking for a car that's sporty, fun and fits in your budget?
Read reviews on AOL Autos.

(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

121. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 20:00:31 UTC
From: Robert Nickels
Topic: 80 Message: 121

Jim Isbell, W5JAI wrote:
>
> Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter
> was only 10-80 and AM,CW only. That isnt much of a match.
>

I never understood why Gonset didn't put 160 on the G-77, unless it was due to the power restrictions that some areas of the country had, to avoid interference with the old Loran systems. Lots of local mobile activity on 160 back when it was introduced. I think the 160 receive coverage was almost a freebie as they designed it to cover AM BC, so you could just hang the G-66 under the dash and not have to buy that expensive Mopar or Delco ;-) The piggyback power supply is nice but it's not big deal to feed it voltage from an external p/s. It has good audio and nice gear-driven tuning with a separate dial scale for each band.

On the other hand, the G-66 is a sweet receiver and would be a perfect classic match for your AF-67, which also does cover 160 meters. And the AF-67 is a lot easier to get on the air since it only needs external B+ whereas the modulator for the G-77 was in the power supply unit, which is about a 1 cubit foot lump and somewhat pricey if you can even find one. AF-67 is one of the neatest most versatile rigs around, just be aware the audio interstage transformers have a habit of going open circuit.

I don't know anything about the Rad Shack receiver you have other than it was designed as an entry-level SWL receiver and probably wouldn't have the bandspread and selectivity you'd really like to have. But it'll work, no doubt! Have fun,

73, Bob W9RAN

122. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 21:24:29 UTC
From: Glen Zook
Topic: 80 Message: 122

For some reason having 160 meters on the receiver but not on the transmitter was pretty common back in the 1950s and into the 1960s. The Collins 75A-2, 75A-3, and 75A-4 all had 160 meters on them (the 75A-1 did not have 160 meters) but the matching transmitters did not have 160 meters. The Heath RX-1 Mohawk receiver had 160 meters but the matching TX-1 Apache did not. The original Hallicrafters SX-101 receivers had 160 meters but the matching HT-32 series did not. The Hammarlund HQ-110 series and HQ-170 series had 160 meters but the matching HX-50 and HX-50A required the installation of a separate kit to get 160 meter coverage. And so forth. Even Yaesu had 160 meters on many of their receivers but the transmitters did not go lower than 3.5 MHz.

The actual number of transmitters made during the 1950s and 1960s that did have 160 meters is relatively small. Heath had the DX-100 and DX-100B, Hallicrafters had the HT-20, but, with the exception of WRL/Globe, I don't remember any manufacturer that had transmitters that covered 160 meters plus the other bands up to at least 10 meters. Now WRL did produce most of their transmitters with 160 meter coverage including the Globe King, Globe Champion, most of the Globe Chief series, and most of the Globe Scout series. The Globe Chief 90 and 90A had 160 meters but the Globe Chief Deluxe did not. All of the Globe Scout transmitters except for the 680 series and the Globe Scout Deluxe had 160 meters. Swan did produce a single band 160 meter SSB transceiver but it was only for 160 meters (those are pretty scarce).

It seems that the manufacturers recognized a need for receiving 160 meters but not for transmitting on that band.

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 8/1/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:
From: Jim Isbell, W5JAI <jim.isbell@gmail.com>

Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter

was only 10-80 and AM,CW only. That isnt much of a match.

123. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 21:29:54 UTC
From: Glen Zook
Topic: 80 Message: 123

Whoops, I forgot about Multi-Elmac! The AF-67 did cover 160 meters but the A-54, A54-H, and the AF-68 did not cover 160 meters.

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 8/1/08, Glen Zook <gzook@...> wrote:
From: Glen Zook <gzook@...>
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Friday, August 1, 2008, 4:24 PM

For some reason having 160 meters on the receiver but not on the transmitter was pretty common back in the 1950s and into the 1960s. The Collins 75A-2, 75A-3, and 75A-4 all had 160 meters on them (the 75A-1 did not have 160 meters) but the matching transmitters did not have 160 meters. The Heath RX-1 Mohawk receiver had 160 meters but the matching TX-1 Apache did not. The original Hallicrafters SX-101 receivers had 160 meters but the matching HT-32 series did not. The Hammarlund HQ-110 series and HQ-170 series had 160 meters but the matching HX-50 and HX-50A required the installation of a separate kit to get 160 meter coverage. And so forth. Even Yaesu had 160 meters on many of their receivers but the transmitters did not go lower than 3.5 MHz.

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It seems that the manufacturers recognized a need for receiving 160 meters but not for transmitting on that band.

Glen, K9STH

Website: http://k9sth. com

--- On Fri, 8/1/08, Jim Isbell, W5JAI <jim.isbell@gmail. com> wrote:
From: Jim Isbell, W5JAI <jim.isbell@gmail. com>

Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter

was only 10-80 and AM,CW only. That isnt much of a match.

124. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 21:43:33 UTC
From: Jim Isbell, W5JAI
Topic: 80 Message: 124

The Multi-Elamc AF-67 has 160 meters. You didnt mention them. What I noticed on the AF-67 is that it ALSO has narrow band FM . Maybe my memory is bad...and at 72 years of age it may be...but I dont remember many AM transmitters that included NBFM? I dont have the matching receiver but I would imagine that it also had 160 meters as well as NBFM. There wouldnt be much sense in having the transmit capability without the receive capability.

On Fri, Aug 1, 2008 at 4:24 PM, Glen Zook <gzook@...> wrote:
> For some reason having 160 meters on the receiver but not on the transmitter
> was pretty common back in the 1950s and into the 1960s. The Collins 75A-2,
> 75A-3, and 75A-4 all had 160 meters on them (the 75A-1 did not have 160
> meters) but the matching transmitters did not have 160 meters. The Heath
> RX-1 Mohawk receiver had 160 meters but the matching TX-1 Apache did not.
> The original Hallicrafters SX-101 receivers had 160 meters but the matching
> HT-32 series did not. The Hammarlund HQ-110 series and HQ-170 series had
> 160 meters but the matching HX-50 and HX-50A required the installation of a
> separate kit to get 160 meter coverage. And so forth. Even Yaesu had 160
> meters on many of their receivers but the transmitters did not go lower than
> 3.5 MHz.
>
> The actual number of transmitters made during the 1950s and 1960s that did
> have 160 meters is relatively small. Heath had the DX-100 and DX-100B,
> Hallicrafters had the HT-20, but, with the exception of WRL/Globe, I don't
> remember any manufacturer that had transmitters that covered 160 meters plus
> the other bands up to at least 10 meters. Now WRL did produce most of their
> transmitters with 160 meter coverage including the Globe King, Globe
> Champion, most of the Globe Chief series, and most of the Globe Scout
> series. The Globe Chief 90 and 90A had 160 meters but the Globe Chief
> Deluxe did not. All of the Globe Scout transmitters except for the 680
> series and the Globe Scout Deluxe had 160 meters. Swan did produce a single
> band 160 meter SSB transceiver but it was only for 160 meters (those are
> pretty scarce).
>
> It seems that the manufacturers recognized a need for receiving 160 meters
> but not for transmitting on that band.
>
> Glen, K9STH
>
> Website: http://k9sth.com
>
> --- On Fri, 8/1/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:
>
> From: Jim Isbell, W5JAI <jim.isbell@...>

>
> Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter
> was only 10-80 and AM,CW only. That isnt much of a match.
>
>

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

125. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 21:51:41 UTC
From: Jim Isbell, W5JAI
Topic: 80 Message: 125

I got the AF-67 today and it looks horrible beside the DX-160. I
guess I will have to sell or trade the DX-160 and get a proper GB
receiver that looks decent next to the Elmac.

On Fri, Aug 1, 2008 at 4:43 PM, Jim Isbell, W5JAI <jim.isbell@...> wrote:
> The Multi-Elamc AF-67 has 160 meters. You didnt mention them. What I
> noticed on the AF-67 is that it ALSO has narrow band FM . Maybe my
> memory is bad...and at 72 years of age it may be...but I dont remember
> many AM transmitters that included NBFM? I dont have the matching
> receiver but I would imagine that it also had 160 meters as well as
> NBFM. There wouldnt be much sense in having the transmit capability
> without the receive capability.
>
> On Fri, Aug 1, 2008 at 4:24 PM, Glen Zook <gzook@...> wrote:
>> For some reason having 160 meters on the receiver but not on the transmitter
>> was pretty common back in the 1950s and into the 1960s. The Collins 75A-2,
>> 75A-3, and 75A-4 all had 160 meters on them (the 75A-1 did not have 160
>> meters) but the matching transmitters did not have 160 meters. The Heath
>> RX-1 Mohawk receiver had 160 meters but the matching TX-1 Apache did not.
>> The original Hallicrafters SX-101 receivers had 160 meters but the matching
>> HT-32 series did not. The Hammarlund HQ-110 series and HQ-170 series had
>> 160 meters but the matching HX-50 and HX-50A required the installation of a
>> separate kit to get 160 meter coverage. And so forth. Even Yaesu had 160
>> meters on many of their receivers but the transmitters did not go lower than
>> 3.5 MHz.
>>
>> The actual number of transmitters made during the 1950s and 1960s that did
>> have 160 meters is relatively small. Heath had the DX-100 and DX-100B,
>> Hallicrafters had the HT-20, but, with the exception of WRL/Globe, I don't
>> remember any manufacturer that had transmitters that covered 160 meters plus
>> the other bands up to at least 10 meters. Now WRL did produce most of their
>> transmitters with 160 meter coverage including the Globe King, Globe
>> Champion, most of the Globe Chief series, and most of the Globe Scout
>> series. The Globe Chief 90 and 90A had 160 meters but the Globe Chief
>> Deluxe did not. All of the Globe Scout transmitters except for the 680
>> series and the Globe Scout Deluxe had 160 meters. Swan did produce a single
>> band 160 meter SSB transceiver but it was only for 160 meters (those are
>> pretty scarce).
>>
>> It seems that the manufacturers recognized a need for receiving 160 meters
>> but not for transmitting on that band.
>>
>> Glen, K9STH
>>

>> Website: http://k9sth.com
>>
>> --- On Fri, 8/1/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:
>>
>> From: Jim Isbell, W5JAI <jim.isbell@...>
>>
>> Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter
>> was only 10-80 and AM,CW only. That isnt much of a match.
>>
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>
>
>
> --
> Jim Isbell
> "If you are not living on the edge, well then,
> you are just taking up too much space."
>

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

126. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 22:30:36 UTC
From: Glen Zook
Topic: 80 Message: 126

The PMR-6 and PMR-7 receivers had an expanded AM broadcast band that went from 540 kHz to 2000 kHz.

By the way, right after I posted the information about the 160 meter transmitters I did post an addendum listing the AF-67. I just "plain forgot" about the AF-67 until after uploading the original message.

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 8/1/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:
From: Jim Isbell, W5JAI <jim.isbell@...>
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Friday, August 1, 2008, 4:43 PM

The Multi-Elamc AF-67 has 160 meters. You didnt mention them. What I

noticed on the AF-67 is that it ALSO has narrow band FM . Maybe my

memory is bad...and at 72 years of age it may be...but I dont remember

many AM transmitters that included NBFM? I dont have the matching

receiver but I would imagine that it also had 160 meters as well as

NBFM. There wouldnt be much sense in having the transmit capability

without the receive capability.

127. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 21:38:31 UTC
From: Carl
Topic: 80 Message: 127

I guess that an awful lot of Johnson Viking I, Viking II, Ranger I, Ranger II, Valiant I and Valiant II owners will have to repaint their front panels.

Carl
KM1H

----- Original Message -----
From: "Glen Zook" <gzook@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, August 01, 2008 5:29 PM
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Whoops, I forgot about Multi-Elmac! The AF-67 did cover 160 meters but the A-54, A54-H, and the AF-68 did not cover 160 meters.

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 8/1/08, Glen Zook <gzook@...> wrote:
From: Glen Zook <gzook@...>
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Friday, August 1, 2008, 4:24 PM

For some reason having 160 meters on the receiver but not on the transmitter was pretty common back in the 1950s and into the 1960s. The Collins 75A-2, 75A-3, and 75A-4 all had 160 meters on them (the 75A-1 did not have 160 meters) but the matching transmitters did not have 160 meters. The Heath RX-1 Mohawk receiver had 160 meters but the matching TX-1 Apache did not. The original Hallicrafters SX-101 receivers had 160 meters but the matching HT-32 series did not. The Hammarlund HQ-110 series and HQ-170 series had 160 meters but the matching HX-50 and HX-50A required the installation of a separate kit to get 160 meter coverage. And so forth. Even Yaesu had 160 meters on many of their receivers but the transmitters did not go lower than 3.5 MHz.

The actual number of transmitters made during the 1950s and 1960s that did
have 160 meters is relatively small. Heath had the DX-100 and DX-100B, Hallicrafters had the HT-20, but, with the exception of WRL/Globe, I don't remember any manufacturer that had transmitters that covered 160

meters plus the other bands up to at least 10 meters. Now WRL did produce most of their transmitters with 160 meter coverage including the Globe King, Globe Champion, most of the Globe Chief series, and most of the Globe Scout series. The Globe Chief 90 and 90A had 160 meters but the Globe Chief Deluxe did not. All of the Globe Scout transmitters except for the 680 series and the Globe Scout Deluxe had 160 meters. Swan did produce a single band 160 meter SSB transceiver but it was only for 160 meters (those are pretty scarce).

It seems that the manufacturers recognized a need for receiving 160 meters but not for transmitting on that band.

Glen, K9STH

Website: http://k9sth. com

--- On Fri, 8/1/08, Jim Isbell, W5JAI <jim.isbell@gmail. com> wrote:
From: Jim Isbell, W5JAI <jim.isbell@gmail. com>

Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter

was only 10-80 and AM,CW only. That isnt much of a match.

128. RE: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 23:36:35 UTC
From: D C *Mac* Macdonald
Topic: 80 Message: 128

Having lived through the days of most of 160m being crammed
with Loran, it is easy to see why manufacturers might omit
transmit coverage on that band in an extremely compact mobile
transmitter such as the Gonset G-77 and G-77A. The usefulness
of that band, especially considering the horrible efficiency of
mobile antennas for 160, was virtually non-existent in those days.
73 - Mac, K2GKK/5
Oklahoma City, OK

To: glowbugradio@...mFrom: w9ran@...: Fri, 1 Aug 2008 15:00:31 -0500Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Jim Isbell, W5JAI wrote:>> Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter> was only 10-80 and AM,CW only. That isnt much of a match.>I never understood why Gonset didn't put 160 on the G-77, unless it was due to the power restrictions that some areas of the country had, to avoid interference with the old Loran systems. Lots of local mobile activity on 160 back when it was introduced. I think the 160 receive coverage was almost a freebie as they designed it to cover AM BC, so you could just hang the G-66 under the dash and not have to buy that expensive Mopar or Delco ;-) The piggyback power supply is nice but it's not big deal to feed it voltage from an external p/s. It has good audio and nice gear-driven tuning with a separate dial scale for each band.On the other hand, the G-66 is a sweet receiver and would be a perfect classic match for your AF-67, which also does cover 160 meters. And the AF-67 is a lot easier to get on the air since it only needs external B+ whereas the modulator for the G-77 was in the power supply unit, which is about a 1 cubit foot lump and somewhat pricey if you can even find one. AF-67 is one of the neatest most versatile rigs around, just be aware the audio interstage transformers have a habit of going open circuit.I don't know anything about the Rad Shack receiver you have other than it was designed as an entry-level SWL receiver and probably wouldn't have the bandspread and selectivity you'd really like to have. But it'll work, no doubt! Have fun,73, Bob W9RAN

129. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-01 22:16:29 UTC
From: Carl
Topic: 80 Message: 129

Probably a regional thing but on LI,NY in the 50's the commuters made good use of 160M AM. Homebrew was the norm since there were so many defense contractors and other RF outfits to work for that attracted the hams. Power was typically 10-30W with the usual WW2 T-17 carbon mike sounding poor much of the time.

I used to work many from home in the late afternoon with the Viking I and HQ-129X....if my homework was done(:

Carl
KM1H
----- Original Message -----
From: "D C *Mac* Macdonald" <k2gkk@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, August 01, 2008 7:36 PM
Subject: RE: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Having lived through the days of most of 160m being crammed with Loran, it is easy to see why manufacturers might omit transmit coverage on that band in an extremely compact mobile transmitter such as the Gonset G-77 and G-77A. The usefulness of that band, especially considering the horrible efficiency of mobile antennas for 160, was virtually non-existent in those days.
73 - Mac, K2GKK/5
Oklahoma City, OK

To: glowbugradio@yahoogroups.comFrom: w9ran@...: Fri, 1 Aug 2008 15:00:31 -0500Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Jim Isbell, W5JAI wrote:>> Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter> was only 10-80 and AM,CW only. That isnt much of a match.>I never understood why Gonset didn't put 160 on the G-77, unless it was due to the power restrictions that some areas of the country had, to avoid interference with the old Loran systems. Lots of local mobile activity on 160 back when it was introduced. I think the 160 receive coverage was almost a freebie as they designed it to cover AM BC, so you could just hang the G-66 under the dash and not have to buy that expensive Mopar or Delco ;-) The piggyback power supply is nice but it's not big deal to feed it voltage from an external p/s. It has good audio and nice gear-driven tuning with a separate dial scale for each band.On the other hand, the G-66 is a sweet receiver and would be a perfect classic match for your AF-67, which also does cover 160 meters. And the AF-67 is a lot easier to get on the air since it only needs

external B+ whereas the modulator for the G-77 was in the power supply unit, which is about a 1 cubit foot lump and somewhat pricey if you can even find one. AF-67 is one of the neatest most versatile rigs around, just be aware the audio interstage transformers have a habit of going open circuit.I don't know anything about the Rad Shack receiver you have other than it was designed as an entry-level SWL receiver and probably wouldn't have the bandspread and selectivity you'd really like to have. But it'll work, no doubt! Have fun,73, Bob W9RAN

130. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 00:51:20 UTC
From: w7qho@aol.com
Topic: 80 Message: 130

In a message dated 8/1/08 2:44:30 PM, jim.isbell@... writes:

> The Multi-Elamc AF-67 has 160 meters.
>

Yes, but the 67 won't load properly into 50 ohms in it's stock form. The L/C ratio in the PA tank not correct with the stock tank coil and output loading capacitor. I had to add additional inductance and capacitance externally to form a pi-L network to get the thing to load right.

Dennis D. W7QHO
Glendale, CA

****
Looking for a car that's sporty, fun and fits in your budget?
Read reviews on AOL Autos.

(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

131. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 00:59:42 UTC
From: w7qho@aol.com
Topic: 80 Message: 131

In a message dated 8/1/08 1:00:59 PM, w9ran@... writes:

> AF-67 is one of the neatest most versatile rigs around,
> just be aware the audio interstage transformers have a habit of going
> open circuit.
>

Nifty phase inverter circuit available to replace the transformer.
Schematic available on request.

Dennis D. W7QHO
Glendale, CA

****
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Read reviews on AOL Autos.

(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

132. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 01:02:08 UTC
From: Lloyd KK7IZ
Topic: 80 Message: 132

Schematic please
Thanx
Lloyd KK7IZ
kk7iz@...

----- Original Message -----
From: w7qho@...
To: w9ran@... ; glowbugradio@yahoogroups.com
Sent: Friday, August 01, 2008 5:59 PM
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

In a message dated 8/1/08 1:00:59 PM, w9ran@... writes:

AF-67 is one of the neatest most versatile rigs around,
just be aware the audio interstage transformers have a habit of going
open circuit.

Nifty phase inverter circuit available to replace the transformer. Schematic available on request.

Dennis D. W7QHO
Glendale, CA

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Looking for a car that's sporty, fun and fits in your budget? Read reviews on AOL Autos.
(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

133. RE: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 01:03:24 UTC
From: D C *Mac* Macdonald
Topic: 80 Message: 133

I was stationed at Mather AFB in Sacramento, CA from early 1962 through early 1963. That's where I bought my first Gonset Twins to install in a 1962 Pontiac Tempest Lemans with the 189.5 cubic inch four cyl engine (389 V8 with one bank of cylinders missing), 10.25:1 compression ratio and a monstrous 4-bbl carb feeding it all. I bought it without an AM radio as I had been planning for the Gonsets before the purchase!

Many of the RAMS (Radio Amateur Mobile Society) hams there were running homebrew single-channel crystal controlled transmitters around 3960 kHz, if I remember correctly. My Gonset Twins definitely put me in the "upper crust" group!

I remember that the ARRL Mobile Handbook stated that 160 was actually better for local work, especially during daytime hours as the true ground-wave (not direct wave) propagation coverage was better than that obtainable on 80/75.

Here again, simple homebrew transmitters powered by vibrator supplies netted on a local frequency was all that was needed. If you were REALLY cheap, you might be able to retune the car radio up to your 160 frequency. I have been told that here in OKlahoma City local police car broadcast radios had that done to get them into the police frequencies around 1700 KHz. Police didn't have transmitters in those days, just listened to the dispatcher for info. That's where the "CALLING ALL CARS" broadcast originated. My boss in my previous job, Elmo/W5JCB, worked as a high speed CW operator in late 30s and early 40s for what became the Oklahoma Highway Patrol and related this info to me. Those were the days before teletype became common and HF CW was the way OHP headquarters communicated with the various troop headquarters around the state.

73 - Mac, K2GKK/5
Oklahoma City, OK

To: glowbugradio@yahoogroups.comFrom: km1h@...: Fri, 1 Aug 2008 18:16:29 -0400Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Probably a regional thing but on LI,NY in the 50's the commuters made good use of 160M AM. Homebrew was the norm since there were so many defense contractors and other RF outfits to work for that attracted the hams. Power was typically 10-30W with the usual WW2 T-17 carbon mike sounding poor much of the time.I used to work many from home in the late afternoon with the Viking I and HQ-129X....if my homework was done(:CarlKM1H----- Original Message

----- From: "D C *Mac* Macdonald" <k2gkk@...>To: <glowbugradio@yahoogroups.com>Sent: Friday, August 01, 2008 7:36 PMSubject: RE: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.Having lived through the days of most of 160m being crammedwith Loran, it is easy to see why manufacturers might omittransmit coverage on that band in an extremely compact mobiletransmitter such as the Gonset G-77 and G-77A. The usefulnessof that band, especially considering the horrible efficiency ofmobile antennas for 160, was virtually non-existent in those days.73 - Mac, K2GKK/5Oklahoma City, OKTo: glowbugradio@yahoogroups.comFrom: w9ran@oneradio.netDate: Fri, 1 Aug 2008 15:00:31 -0500Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.Jim Isbell, W5JAI wrote:>> Interesting, the reciever was 10 to 160 AM,SSB,CW but the transmitter> was only 10-80 and AM,CW only. That isnt much of a match.>I never understood why Gonset didn't put 160 on the G-77, unless it was due to the power restrictions that some areas of the country had, to avoid interference with the old Loran systems. Lots of local mobile activity on 160 back when it was introduced. I think the 160 receive coverage was almost a freebie as they designed it to cover AM BC, so you could just hang the G-66 under the dash and not have to buy that expensive Mopar or Delco ;-) The piggyback power supply is nice but it's not big deal to feed it voltage from an external p/s. It has good audio and nice gear-driven tuning with a separate dial scale for each band.On the other hand, the G-66 is a sweet receiver and would be a perfect classic match for your AF-67, which also does cover 160 meters. And the AF-67 is a lot easier to get on the air since it only needs external B+ whereas the modulator for the G-77 was in the power supply unit, which is about a 1 cubit foot lump and somewhat pricey if you can even find one. AF-67 is one of the neatest most versatile rigs around, just be aware the audio interstage transformers have a habit of going open circuit.I don't know anything about the Rad Shack receiver you have other than it was designed as an entry-level SWL receiver and probably wouldn't have the bandspread and selectivity you'd really like to have. But it'll work, no doubt! Have fun,73, Bob W9RAN

134. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 14:32:57 UTC
From: Glen Zook
Topic: 80 Message: 134

I "plain forgot" about Johnson! I don't have any Johnson transmitters but have owned a Ranger (early model) years ago. :^) Bring out the wet noodles.

Do have Heath and WRL transmitters, along with a Hammarlund HX-50A to which I added the 160 meter kit.

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 8/1/08, Carl <km1h@...> wrote:
From: Carl <km1h@...>
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Friday, August 1, 2008, 4:38 PM

I guess that an awful lot of Johnson Viking I, Viking II, Ranger I,

Ranger II, Valiant I and Valiant II owners will have to repaint their

front panels.

135. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 15:13:29 UTC
From: Carl
Topic: 80 Message: 135

Many of us are reaching that forgetful period, some worse than others (;

Other units that included 160M either stock or optional are all the CE transmitters, Lakeshore Phasemasters, all versions Meissner Signal Shifters and Ive probably missed a bunch. The phasing rigs sounded great on AM and except for the 200V included DSB.
A 20A into most linears would give a respectable AM signal today.

Carl
KM1H

Carl
KM1H

----- Original Message -----
From: "Glen Zook" <gzook@...>
To: <glowbugradio@yahoogroups.com>
Sent: Saturday, August 02, 2008 10:32 AM
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

I "plain forgot" about Johnson! I don't have any Johnson transmitters but have owned a Ranger (early model) years ago. :^) Bring out the wet noodles.

Do have Heath and WRL transmitters, along with a Hammarlund HX-50A to which I added the 160 meter kit.

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 8/1/08, Carl <km1h@...> wrote:
From: Carl <km1h@...>
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.
To: glowbugradio@yahoogroups.com
Date: Friday, August 1, 2008, 4:38 PM

I guess that an awful lot of Johnson Viking I, Viking II, Ranger I,

Ranger II, Valiant I and Valiant II owners will have to repaint their

front panels.

136. Need xfmr for 400VDC ps

Yahoo group: glowbugradio
Date: 2008-08-02 18:57:34 UTC
From: kz4rv
Topic: 136 Message: 136

I'm looking for a transformer suitable for building
a 400VDC 250ma PS for the "low voltage" supply for an
ITT Mackay 2012C MF xmitter I'm restoring to functional
use as Coastal Station WFT on 500 & 486kc CW.

73,
Randy
KZ4RV

137. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 19:23:38 UTC
From: Glen Zook
Topic: 80 Message: 137

My reference sources list the CE-100V and CE-200V as having 80 through 10 meters and not 160 meters. The 10 series and 20 series did have 160 meters. Of course the 10 series used plug-in coils whereas the 20 series had bandswitching.

I checked the manuals of both the 100V and 200V on BAMA and both definitely do NOT cover 160 meters.

Glen, K9STH

Website: http://k9sth.com

--- On Sat, 8/2/08, Carl <km1h@...> wrote:
From: Carl <km1h@...>

Many of us are reaching that forgetful period, some worse than others (;

Other units that included 160M either stock or optional are all the CE

transmitters, Lakeshore Phasemasters, all versions Meissner Signal

Shifters and Ive probably missed a bunch. The phasing rigs sounded great

on AM and except for the 200V included DSB.

A 20A into most linears would give a respectable AM signal today.

138. Re: [glowbugradio] Need xfmr for 400VDC ps

Yahoo group: glowbugradio
Date: 2008-08-02 19:37:58 UTC
From: Jim
Topic: 136 Message: 138

Randy,

I picked up a couple of smaller step-up transformers at the swampfest in Austin today that are close to the right voltage but might be a little light on current.

I've used one of these exact units before to provide plate current for testing 6146s and it was ample for that, but only ran the anode to about 25 watts.

I can tinker with testing if you're OK to pay $15 plus shipping for one of them, on satisfactory completion of test. I'll include a schematic of the test circuit plus my test setup notes.

These look to be a little light for 400VDC 250mA CCS, but will easily deliver 50W and more if you're running ICAS. I'm just not sure if they will reliably deliver your required power to satisfy MY liking, which is ... "forever."

Let me know if this might fit your budget, and I'll start tinkering.

Also, if you want me to mess with this, let me know what your power supply config will be. I will only test on a capacitive-input filter with a full-wave silicon diode bridge ... because I don't have a gazillion big-iron chokes to match some 90-year-old rig power supply, and I would not ask you to mail me a choke for testing.

N6OTQ

--- On Sat, 8/2/08, kz4rv <fu.bar@...> wrote:

> From: kz4rv <fu.bar@...>
> Subject: [glowbugradio] Need xfmr for 400VDC ps
> To: glowbugradio@yahoogroups.com
> Date: Saturday, August 2, 2008, 1:57 PM
> I'm looking for a transformer suitable for building
> a 400VDC 250ma PS for the "low voltage" supply
> for an
> ITT Mackay 2012C MF xmitter I'm restoring to functional
> use as Coastal Station WFT on 500 & 486kc CW.
>
> 73,
> Randy
> KZ4RV
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>

>

139. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 20:17:39 UTC
From: Carl
Topic: 80 Message: 139

Well, your sources are incomplete and you didnt read the manual very well or it was missing the rather large addendum.
The 100V and 200V have a spare bandswitch position marked X and is clearly visible in the link photo below. A 160M kit was available from CE.

http://www.ia.net/~wbsorsby/N5BU/CE/100v.htm

Since the option was rather scarce and CE went bye bye soon after the 200V many wound up having to build their own. My second 100V had 160M already installed when I bought it in ~1965 as well as full CE drawings to duplicate which I copied and mailed to many. I then sold the original 100V Id bought two years earlier. I kept the second one until the late 80's and it was used extensively in DX contests and DX chasing along with the 75A4 I picked up in 64 and made some serious changes to. I still have the A4.

Carl
KM1H

----- Original Message -----
From: "Glen Zook" <gzook@...>
To: <glowbugradio@yahoogroups.com>
Sent: Saturday, August 02, 2008 3:23 PM
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

My reference sources list the CE-100V and CE-200V as having 80 through 10 meters and not 160 meters. The 10 series and 20 series did have 160 meters. Of course the 10 series used plug-in coils whereas the 20 series had bandswitching.

I checked the manuals of both the 100V and 200V on BAMA and both definitely do NOT cover 160 meters.

Glen, K9STH

Website: http://k9sth.com

--- On Sat, 8/2/08, Carl <km1h@...> wrote:
From: Carl <km1h@...>

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transmitters, Lakeshore Phasemasters, all versions Meissner Signal Shifters and Ive probably missed a bunch. The phasing rigs sounded great on AM and except for the 200V included DSB.

A 20A into most linears would give a respectable AM signal today.

140. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-02 20:44:50 UTC
From: Robert Nickels
Topic: 80 Message: 140

Carl wrote:
>
>
> The 100V and 200V have a spare bandswitch position marked X and is
> clearly visible in the link photo below. A 160M kit was available from
> CE.
>
>

And best of all, the conversion kit is still available at a reasonable
price from Nick Tusa:

http://www.tusaconsulting.com/ce.html

73, Bob W9RAN

>
>

141. Re: [glowbugradio] Need xfmr for 400VDC ps

Yahoo group: glowbugradio
Date: 2008-08-02 22:39:31 UTC
From: Randy
Topic: 136 Message: 141

Yes, Jim, that sounds great, thanks!
It'll be "sort of" ICAS; B+ for an 6AU6 oscillator and 6146 driver, key-down, and cutoff bias, key-up.
The original circuit was ye olde half-wave into a choke-input filter, but the latest plan is a FWB into a big, fat C.
I can tinker with the voltage-divider values to arrive at the right -bias...
So, yes, once you're satisfied that they are OK with your testing, it's a done deal.... let me know how you prefer payment, and the amount.
Thanks again.

73,
Randy
KZ4RV
(I'll still consider additional xfmr's, too, especially if a little beefier..)

Jim wrote:
>
> Randy,
>
> I picked up a couple of smaller step-up transformers at the swampfest
> in Austin today that are close to the right voltage but might be a
> little light on current.
>
> I've used one of these exact units before to provide plate current for
> testing 6146s and it was ample for that, but only ran the anode to
> about 25 watts.
>
> I can tinker with testing if you're OK to pay $15 plus shipping for
> one of them, on satisfactory completion of test. I'll include a
> schematic of the test circuit plus my test setup notes.
>
> These look to be a little light for 400VDC 250mA CCS, but will easily
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> will reliably deliver your required power to satisfy MY liking, which
> is ... "forever."
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> Let me know if this might fit your budget, and I'll start tinkering.
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> Also, if you want me to mess with this, let me know what your power
> supply config will be. I will only test on a capacitive-input filter
> with a full-wave silicon diode bridge ... because I don't have a
> gazillion big-iron chokes to match some 90-year-old rig power supply,
> and I would not ask you to mail me a choke for testing.

>
> N6OTQ
>
> --- On Sat, 8/2/08, kz4rv <fu.bar@... <mailto:fu.bar%40gte.net>>
> wrote:
>
> > From: kz4rv <fu.bar@... <mailto:fu.bar%40gte.net>>
> > Subject: [glowbugradio] Need xfmr for 400VDC ps
> > To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
> > Date: Saturday, August 2, 2008, 1:57 PM
> > I'm looking for a transformer suitable for building
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> > for an
> > ITT Mackay 2012C MF xmitter I'm restoring to functional
> > use as Coastal Station WFT on 500 & 486kc CW.
> >
> > 73,
> > Randy
> > KZ4RV
> >
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >
> >
>
>

142. My TBY set does not glow in the dark, but...

Yahoo group: glowbugradio
Date: 2008-08-03 01:32:32 UTC
From: kf6 pqt
Topic: 142 Message: 142
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

143. Re: [glowbugradio] Need xfmr for 400VDC ps

Yahoo group: glowbugradio
Date: 2008-08-03 11:08:20 UTC
From: Jim
Topic: 136 Message: 143

Lucky for you -- this transformer has multiple taps on the secondary, so you should be able to tap off a second (or even third) bridge for the various supplies. I'll let you know what I find out when it gets light.

Maybe I shoulda got more of these, since this sort of thing is incredibly useful for driver-level transmitters ... and for screen supplies on big-gun amplifiers. The seller had four when i saw them, and I took two. I didn't want to deprive other builders of such a good find.

N6OTQ

--- On Sat, 8/2/08, Randy <fu.bar@...> wrote:

> From: Randy <fu.bar@...>
> Subject: Re: [glowbugradio] Need xfmr for 400VDC ps
> To: glowbugradio@yahoogroups.com
> Date: Saturday, August 2, 2008, 5:39 PM
> Yes, Jim, that sounds great, thanks!
> It'll be "sort of" ICAS; B+ for an 6AU6
> oscillator and 6146 driver,
> key-down, and cutoff bias, key-up.
> The original circuit was ye olde half-wave into a
> choke-input
> filter, but the latest plan is a FWB into a big, fat C.
> I can tinker with the voltage-divider values to arrive at
> the right
> -bias...
> So, yes, once you're satisfied that they are OK with
> your testing, it's
> a done deal.... let me know how you prefer payment, and the
> amount.
> Thanks again.
>
> 73,
> Randy
> KZ4RV
> (I'll still consider additional xfmr's, too,
> especially if a little
> beefier..)
>
> Jim wrote:
> >
> > Randy,
> >
> > I picked up a couple of smaller step-up transformers
> at the swampfest

> > in Austin today that are close to the right voltage
> but might be a
> > little light on current.
> >
> > I've used one of these exact units before to
> provide plate current for
> > testing 6146s and it was ample for that, but only ran
> the anode to
> > about 25 watts.
> >
> > I can tinker with testing if you're OK to pay $15
> plus shipping for
> > one of them, on satisfactory completion of test.
> I'll include a
> > schematic of the test circuit plus my test setup
> notes.
> >
> > These look to be a little light for 400VDC 250mA CCS,
> but will easily
> > deliver 50W and more if you're running ICAS.
> I'm just not sure if they
> > will reliably deliver your required power to satisfy
> MY liking, which
> > is ... "forever."
> >
> > Let me know if this might fit your budget, and
> I'll start tinkering.
> >
> > Also, if you want me to mess with this, let me know
> what your power
> > supply config will be. I will only test on a
> capacitive-input filter
> > with a full-wave silicon diode bridge ... because I
> don't have a
> > gazillion big-iron chokes to match some 90-year-old
> rig power supply,
> > and I would not ask you to mail me a choke for
> testing.
> >
> > N6OTQ
> >
> > --- On Sat, 8/2/08, kz4rv <fu.bar@...
> <mailto:fu.bar%40gte.net>>
> > wrote:
> >
> > > From: kz4rv <fu.bar@...
> <mailto:fu.bar%40gte.net>>
> > > Subject: [glowbugradio] Need xfmr for 400VDC ps
> > > To: glowbugradio@yahoogroups.com
> <mailto:glowbugradio%40yahoogroups.com>

> > > Date: Saturday, August 2, 2008, 1:57 PM
> > > I'm looking for a transformer suitable for
> building
> > > a 400VDC 250ma PS for the "low voltage"
> supply
> > > for an
> > > ITT Mackay 2012C MF xmitter I'm restoring to
> functional
> > > use as Coastal Station WFT on 500 & 486kc CW.
> > >
> > > 73,
> > > Randy
> > > KZ4RV
> > >
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> > > Yahoo! Groups Links
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> Yahoo! Groups Links
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>

144. Re: [glowbugradio] Need xfmr for 400VDC ps

Yahoo group: glowbugradio
Date: 2008-08-03 14:06:45 UTC
From: Jim
Topic: 136 Message: 144

OK, Randy, here's the test results.

I used a "Kill-a-Watt" power line meter on the inline feed for current measurement. Most voltage measurements were done with a Fluke 179 DVM (cal is expired). A few voltage measurements done with a $2. Harbor Freight disposable DVM.

Except as noted, all voltage readings are from the Fluke 179.

Cross-calibration:
Line voltage
Fluke = 121
Kill-a-Watt = 121

On the 125-0 tap
Fluke = 140.9
Cheapo on 200V scale = 139, on 750V scale = 138

Transformer wt = 4 lb 2.4 oz (1883 g)

Transformer has these spade-lug terminals, as marked:

Dual 115 VAC primary

Secondary: 350 - 125 - 0 - 125
Separate secondary: 10

Line voltage was 121 VAC 60 Hz (Kill-a-Watt and Fluke).

Idling current was 0.11 A as displayed on the Kill-a-Watt.

No-load voltages:

10V secondary: 10V

350-0: 390 VAC
125-0: 140 VAC, both sides
350-125: 248 VAC
350-125 (other side of 0V tap): 530 VAC

Voltages were compared using each primary winding and differences were below the accuracy of the Fluke 179 (0.2%)

Only one primary winding was connected for load testing.

With a 75 watt bulb on the high-side 125-0 winding, the Kill-a-Watt showed 0.75A, or a load of 0.64A from the 75W bulb. Voltage on that winding sagged from 140VAC to 125VAC, as measured with the $2. meter.

Calculated load (P=IE) shows the 75-watt bulb drawing 80 watts.
80W = 0.64A * 125V

Voltage on the 350-0 winding (which includes the winding tested) sagged from 390VAC to 370VAC under load.

Load was applied only long enough to take readings, approximately 10 seconds. No smoke or excessive heating was noticed, nor did any readings change during test. The brightness of the lightbulb did not vary during test.

========

So this should be fine for running a 6146 at 400VDC plate, and you can tap off a negative grid voltage if you need.

No, I don't test this extensively for everybody, and usually not even for myself!

So where should I send this? Offline reply, please.

Jim N6OTQ

145. Re: [glowbugradio] Need xfmr for 400VDC ps

Yahoo group: glowbugradio
Date: 2008-08-03 19:14:20 UTC
From: Randy
Topic: 136 Message: 145

Sounds good. If I could get maybe 425V, that would be even better... but
400 is
good. The other taps are icing on the cake...
You're not depriving anybody... certainly not me!

73,
Randy
KZ4RV

Jim wrote:
>
> Lucky for you -- this transformer has multiple taps on the secondary,
> so you should be able to tap off a second (or even third) bridge for
> the various supplies. I'll let you know what I find out when it gets
> light.
>
> Maybe I shoulda got more of these, since this sort of thing is
> incredibly useful for driver-level transmitters ... and for screen
> supplies on big-gun amplifiers. The seller had four when i saw them,
> and I took two. I didn't want to deprive other builders of such a good
> find.
>
> N6OTQ
>
> --- On Sat, 8/2/08, Randy <fu.bar@... <mailto:fu.bar%40gte.net>>
> wrote:
>
> > From: Randy <fu.bar@... <mailto:fu.bar%40gte.net>>
> > Subject: Re: [glowbugradio] Need xfmr for 400VDC ps
> > To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
> > Date: Saturday, August 2, 2008, 5:39 PM
> > Yes, Jim, that sounds great, thanks!
> > It'll be "sort of" ICAS; B+ for an 6AU6
> > oscillator and 6146 driver,
> > key-down, and cutoff bias, key-up.
> > The original circuit was ye olde half-wave into a
> > choke-input
> > filter, but the latest plan is a FWB into a big, fat C.
> > I can tinker with the voltage-divider values to arrive at
> > the right
> > -bias...
> > So, yes, once you're satisfied that they are OK with
> > your testing, it's
> > a done deal.... let me know how you prefer payment, and the
> > amount.

> > Thanks again.
> >
> > 73,
> > Randy
> > KZ4RV
> > (I'll still consider additional xfmr's, too,
> > especially if a little
> > beefier..)
> >
> > Jim wrote:
> > >
> > > Randy,
> > >
> > > I picked up a couple of smaller step-up transformers
> > at the swampfest
> > > in Austin today that are close to the right voltage
> > but might be a
> > > little light on current.
> > >
> > > I've used one of these exact units before to
> > provide plate current for
> > > testing 6146s and it was ample for that, but only ran
> > the anode to
> > > about 25 watts.
> > >
> > > I can tinker with testing if you're OK to pay $15
> > plus shipping for
> > > one of them, on satisfactory completion of test.
> > I'll include a
> > > schematic of the test circuit plus my test setup
> > notes.
> > >
> > > These look to be a little light for 400VDC 250mA CCS,
> > but will easily
> > > deliver 50W and more if you're running ICAS.
> > I'm just not sure if they
> > > will reliably deliver your required power to satisfy
> > MY liking, which
> > > is ... "forever."
> > >
> > > Let me know if this might fit your budget, and
> > I'll start tinkering.
> > >
> > > Also, if you want me to mess with this, let me know
> > what your power
> > > supply config will be. I will only test on a
> > capacitive-input filter
> > > with a full-wave silicon diode bridge ... because I
> > don't have a
> > > gazillion big-iron chokes to match some 90-year-old

> > rig power supply,
> > > and I would not ask you to mail me a choke for
> > testing.
> > >
> > > N6OTQ
> > >
> > > --- On Sat, 8/2/08, kz4rv <fu.bar@... <mailto:fu.bar%40gte.net>
> > <mailto:fu.bar%40gte.net>>
> > > wrote:
> > >
> > > > From: kz4rv <fu.bar@... <mailto:fu.bar%40gte.net>
> > <mailto:fu.bar%40gte.net>>
> > > > Subject: [glowbugradio] Need xfmr for 400VDC ps
> > > > To: glowbugradio@yahoogroups.com
> <mailto:glowbugradio%40yahoogroups.com>
> > <mailto:glowbugradio%40yahoogroups.com>
> > > > Date: Saturday, August 2, 2008, 1:57 PM
> > > > I'm looking for a transformer suitable for
> > building
> > > > a 400VDC 250ma PS for the "low voltage"
> > supply
> > > > for an
> > > > ITT Mackay 2012C MF xmitter I'm restoring to
> > functional
> > > > use as Coastal Station WFT on 500 & 486kc CW.
> > > >
> > > > 73,
> > > > Randy
> > > > KZ4RV
> > > >
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> > > Yahoo! Groups Links
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146. Re: [glowbugradio] Need xfmr for 400VDC ps

Yahoo group: glowbugradio
Date: 2008-08-03 19:19:18 UTC
From: Randy
Topic: 136 Message: 146

Thanks. Email sent.

Randy

Jim wrote:
>
> OK, Randy, here's the test results.
>
> I used a "Kill-a-Watt" power line meter on the inline feed for current
> measurement. Most voltage measurements were done with a Fluke 179 DVM
> (cal is expired). A few voltage measurements done with a $2. Harbor
> Freight disposable DVM.
>
> Except as noted, all voltage readings are from the Fluke 179.
>
> Cross-calibration:
> Line voltage
> Fluke = 121
> Kill-a-Watt = 121
>
> On the 125-0 tap
> Fluke = 140.9
> Cheapo on 200V scale = 139, on 750V scale = 138
>
> Transformer wt = 4 lb 2.4 oz (1883 g)
>
> Transformer has these spade-lug terminals, as marked:
>
> Dual 115 VAC primary
>
> Secondary: 350 - 125 - 0 - 125
> Separate secondary: 10
>
> Line voltage was 121 VAC 60 Hz (Kill-a-Watt and Fluke).
>
> Idling current was 0.11 A as displayed on the Kill-a-Watt.
>
> No-load voltages:
>
> 10V secondary: 10V
>
> 350-0: 390 VAC
> 125-0: 140 VAC, both sides
> 350-125: 248 VAC
> 350-125 (other side of 0V tap): 530 VAC

>
> Voltages were compared using each primary winding and differences were
> below the accuracy of the Fluke 179 (0.2%)
>
> Only one primary winding was connected for load testing.
>
> With a 75 watt bulb on the high-side 125-0 winding, the Kill-a-Watt
> showed 0.75A, or a load of 0.64A from the 75W bulb. Voltage on that
> winding sagged from 140VAC to 125VAC, as measured with the $2. meter.
>
> Calculated load (P=IE) shows the 75-watt bulb drawing 80 watts.
> 80W = 0.64A * 125V
>
> Voltage on the 350-0 winding (which includes the winding tested)
> sagged from 390VAC to 370VAC under load.
>
> Load was applied only long enough to take readings, approximately 10
> seconds. No smoke or excessive heating was noticed, nor did any
> readings change during test. The brightness of the lightbulb did not
> vary during test.
>
> ========
>
> So this should be fine for running a 6146 at 400VDC plate, and you can
> tap off a negative grid voltage if you need.
>
> No, I don't test this extensively for everybody, and usually not even
> for myself!
>
> So where should I send this? Offline reply, please.
>
> Jim N6OTQ
>
>

147. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-04 15:19:39 UTC
From: Don Webster
Topic: 80 Message: 147

Dennis,
Could you send me that phase inverter circuit for the AF-67?
Thanks.
Don K9MUF

----- Original Message ----
From: "w7qho@..." <w7qho@...>
To: w9ran@...; glowbugradio@yahoogroups.com
Sent: Friday, August 1, 2008 7:59:42 PM
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

In a message dated 8/1/08 1:00:59 PM, w9ran@oneradio. net writes:

AF-67 is one of the neatest most versatile rigs around,
just be aware the audio interstage transformers have a habit of going
open circuit.

Nifty phase inverter circuit available to replace the transformer. Schematic available on request.

Dennis D. W7QHO
Glendale, CA

********** **
Looking for a car that's sporty, fun and fits in your budget? Read reviews on AOL Autos.
(http://autos. aol.com/cars- BMW-128-2008/ expert-review? ncid=aolaut00050 000000017)

148. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-04 16:27:06 UTC
From: w7qho@aol.com
Topic: 80 Message: 148
Attachments: 1 described; binary payloads are missing from this source WARC

In a message dated 8/4/08 8:20:19 AM, k9muf55@... writes:

> Could you send me that phase inverter circuit for the AF-67?
>

Don,

Info attached. Works great!

Dennis D. W7QHO
Glendale, CA

****
Looking for a car that's sporty, fun and fits in your budget?
Read reviews on AOL Autos.

(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

149. Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

Yahoo group: glowbugradio
Date: 2008-08-04 16:49:47 UTC
From: Carl
Topic: 80 Message: 149

Nice mod Dennis, thanks for posting it. Add it to the Technical folder in the Files section please.

A 6BH7/12BH7 can be used in a circuit requiring a bit more drive. That sometimes happens when the step-up voltage gain of the replaced transformer is needed or homebrewing and eliminating the transformer.

Carl
KM1H

----- Original Message -----
From: <w7qho@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, August 04, 2008 12:27 PM
Subject: Re: [glowbugradio] Re: Glowbug related? Yes. Glowbug exactly? Not exactly.

>
> In a message dated 8/4/08 8:20:19 AM, k9muf55@... writes:
>
>
>> Could you send me that phase inverter circuit for the AF-67?
>>
>
> Don,
>
> Info attached. Works great!
>
> Dennis D. W7QHO
> Glendale, CA
>
>
>
> **********
> Looking for a car that's sporty, fun and fits in your budget?
> Read reviews on AOL Autos.
>
> (http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017
>)
>

150. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2008-08-12 17:39:43 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 150

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/Early RCACunningham Tube ID.pdf
Uploaded by : geoff8122 <km1h@...>
Description : Early RCA/Cunningham Tube ID

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/Technical/Early%20RCACunningham%20Tube%20ID.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

geoff8122 <km1h@...>

151. Simple noise scuelch circuits.

Yahoo group: glowbugradio
Date: 2008-08-13 15:49:50 UTC
From: john_kb7nrn
Topic: 151 Message: 151

In the past I've wanted to add a simple noise squelch circuit to some of my homebrew tube receivers. I haven't found anything suitable. Can someone point me in the right direction?

Thanks,
John
KB7NRN

152. What is a good temperature to bake an old transformer?

Yahoo group: glowbugradio
Date: 2008-08-13 17:44:44 UTC
From: Carl
Topic: 152 Message: 152

I have a few old transformers and chokes that I would like to use in a few projects. They are not sealed units and have been stored in an old shed for many years.

What is the temperature to bake and for how long? I'll have to schedule oven time when the wife is out!

Carl
KM1H

153. Re: [glowbugradio] What is a good temperature to bake an old transformer?

Yahoo group: glowbugradio
Date: 2008-08-13 17:53:24 UTC
From: rbethman
Topic: 152 Message: 153

Carl,

I have found GOOD success with about 3 - 4 hours at 195F.

Of course YMMV, depending on how much moisture has been absorbed.

It took me three weeks with a string of floodlights to dry out a 5KV
1500KW gen. that the USAF left outside at Hickam for a month.

Bob - N0DGN

Carl wrote:
>
> I have a few old transformers and chokes that I would like to use in a
> few projects. They are not sealed units and have been stored in an old
> shed for many years.
>
> What is the temperature to bake and for how long? I'll have to schedule
> oven time when the wife is out!
>
> Carl
> KM1H
>
>

--
Bob - N?DGN

154. Re: [glowbugradio] What is a good temperature to bake an old transformer?

Yahoo group: glowbugradio
Date: 2008-08-13 18:32:48 UTC
From: Paul Kraemer
Topic: 152 Message: 154

Carl
I use a "oven" I made. Used 1" thick foam insulating material, the high density type with the foil facing, and the foil tape to make a large box. Then I put a small space heater inside with a meat thermometer as a gauge. I use 135 deg F for several hours. Works to cure spray paint finishes too.
Paul K0UYA
----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Wednesday, August 13, 2008 12:44 PM
Subject: [glowbugradio] What is a good temperature to bake an old transformer?

I have a few old transformers and chokes that I would like to use in a
few projects. They are not sealed units and have been stored in an old
shed for many years.

What is the temperature to bake and for how long? I'll have to schedule
oven time when the wife is out!

Carl
KM1H

155. RE: [glowbugradio] What is a good temperature to bake an old transformer?

Yahoo group: glowbugradio
Date: 2008-08-13 18:35:13 UTC
From: Skip Frolik
Topic: 152 Message: 155

I think it was Don (K4KYV) that once suggested using a
"variac" attached to the primary winding with the secondary
winding "SHORTED" by an AC current meter. "VERY VERY SLOWLY"
ramp up the voltage till the nominal current rating of the
secondary of the transformer is obtained. Monitor the core
temperature if one has a means to do so or just ever so often
"Feel It" and let it sit there for a "While". Really drives
the moisture outward from the core and of course the principle
can be used with any transformer not just a power transformer.
One could use many variations of this technique I suppose and
I guess it takes a bit more effort than an oven or heat lamp
which will work just as well but I always though that it was
"A COOL" (pun intended) way to cook off a tran or choke.

Skip
WB4GMQ

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@...m] On
Behalf Of rbethman
Sent: Wednesday, August 13, 2008 12:53 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] What is a good temperature to bake an old
transformer?

Carl,

I have found GOOD success with about 3 - 4 hours at 195F.

Of course YMMV, depending on how much moisture has been absorbed.

It took me three weeks with a string of floodlights to dry out a 5KV 1500KW gen.
that the USAF left outside at Hickam for a month.

Bob - N0DGN

Carl wrote:

I have a few old transformers and chokes that I would like to use in a
few projects. They are not sealed units and have been stored in an old
shed for many years.

What is the temperature to bake and for how long? I'll have to schedule
oven time when the wife is out!

Carl
KM1H

--
Bob - NØDGN
-----

156. Re: [glowbugradio] Simple noise scuelch circuits.

Yahoo group: glowbugradio
Date: 2008-08-13 20:01:12 UTC
From: Lloyd KK7IZ
Topic: 151 Message: 156

John
Somewhere there is a very simple squelch circuit that uses a 1N34 or similar, a pot and a couple of other parts. Extremely simple to install. I used it in a bunch of ARC-5 receivers I installed on tuna boats about 100 years ago, Might be in 73 mag or QST.
Thanx
Lloyd KK7IZ
kk7iz@...

----- Original Message -----
From: john_kb7nrn
To: glowbugradio@yahoogroups.com
Sent: Wednesday, August 13, 2008 8:49 AM
Subject: [glowbugradio] Simple noise scuelch circuits.

In the past I've wanted to add a simple noise squelch circuit to some
of my homebrew tube receivers. I haven't found anything suitable. Can
someone point me in the right direction?

Thanks,
John
KB7NRN

157. Re: Simple noise scuelch circuits.

Yahoo group: glowbugradio
Date: 2008-08-13 20:35:44 UTC
From: john_kb7nrn
Topic: 151 Message: 157

Lloyd,
I was thinking along those lines...
Audio fed through a simpel HPF, diode rectified to cut audio tube
off.

I'll search for older articles.

Thanks,
John
KB7NRN

--- In glowbugradio@yahoogroups.com, "Lloyd KK7IZ" <kk7iz@...> wrote:
>
> John
> Somewhere there is a very simple squelch circuit that uses a 1N34
or similar, a pot and a couple of other parts. Extremely simple to
install. I used it in a bunch of ARC-5 receivers I installed on tuna
boats about 100 years ago, Might be in 73 mag or QST.
> Thanx
> Lloyd KK7IZ
> kk7iz@...
>
>
> ----- Original Message -----
> From: john_kb7nrn
> To: glowbugradio@yahoogroups.com
> Sent: Wednesday, August 13, 2008 8:49 AM
> Subject: [glowbugradio] Simple noise scuelch circuits.
>
>
> In the past I've wanted to add a simple noise squelch circuit to
some
> of my homebrew tube receivers. I haven't found anything
suitable. Can
> someone point me in the right direction?
>
> Thanks,
> John
> KB7NRN
>

158. WTB: 6T5 tube

Yahoo group: glowbugradio
Date: 2008-08-18 03:09:05 UTC
From: Carl
Topic: 158 Message: 158

Either NOS or known excellent.

Carl
KM1H

159. Re: [glowbugradio] WTB: 6T5 tube

Yahoo group: glowbugradio
Date: 2008-08-18 08:34:36 UTC
From: Jim RabidWolf
Topic: 158 Message: 159

```
----- Original Message -----
From: "Carl" <km1h@...>
To: <glowbugradio@yahoogroups.com>
Sent: Sunday, August 17, 2008 9:09 PM
Subject: [glowbugradio] WTB: 6T5 tube

> Either NOS or known excellent.
>
> Carl
> KM1H
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>
>
> --
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.524 / Virus Database: 270.6.4/1616 - Release Date: 8/16/2008
> 5:12 PM
>
>
```

160. Re: [glowbugradio] WTB: 6T5 tube

Yahoo group: glowbugradio
Date: 2008-08-18 12:51:49 UTC
From: Carl
Topic: 158 Message: 160

No message came thru?

Carl

----- Original Message -----
From: "Jim RabidWolf" <unclerabid@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, August 18, 2008 4:34 AM
Subject: Re: [glowbugradio] WTB: 6T5 tube

>
> ----- Original Message -----
> From: "Carl" <km1h@...>
> To: <glowbugradio@yahoogroups.com>
> Sent: Sunday, August 17, 2008 9:09 PM
> Subject: [glowbugradio] WTB: 6T5 tube
>
>
>> Either NOS or known excellent.
>>
>> Carl
>> KM1H
>>
>>
>>
>>
>> ------------------------------------
>>
>> Yahoo! Groups Links
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>>
>>
>>
>> --
>> No virus found in this incoming message.
>> Checked by AVG.
>> Version: 7.5.524 / Virus Database: 270.6.4/1616 - Release Date:
>> 8/16/2008
>> 5:12 PM
>>
>>
>
>

161. RE: [glowbugradio] WTB: 6T5 tube

Yahoo group: glowbugradio
Date: 2008-08-18 12:52:50 UTC
From: D C *Mac* Macdonald
Topic: 158 Message: 161

Nope!

73 - Mac, K2GKK/5
Oklahoma City, OK

To: glowbugradio@yahoogroups.comFrom: km1h@...: Mon, 18 Aug 2008 08:51:49 -0400Subject: Re: [glowbugradio] WTB: 6T5 tube

No message came thru?Carl----- Original Message ----- From: "Jim RabidWolf" <unclerabid@...>To: <glowbugradio@yahoogroups.com>Sent: Monday, August 18, 2008 4:34 AMSubject: Re: [glowbugradio] WTB: 6T5 tube>> ----- Original Message ----- > From: "Carl" <km1h@...>> To: <glowbugradio@yahoogroups.com>> Sent: Sunday, August 17, 2008 9:09 PM> Subject: [glowbugradio] WTB: 6T5 tube>>>> Either NOS or known excellent.>>>> Carl>> KM1H>>>>>>>>> ------------------------------------>>>> Yahoo! Groups Links>>>>>>>>>>>> -->> No virus found in this incoming message.>> Checked by AVG.>> Version: 7.5.524 / Virus Database: 270.6.4/1616 - Release Date: >> 8/16/2008>> 5:12 PM>>>>>

162. Re: [glowbugradio] WTB: 6T5 tube

Yahoo group: glowbugradio
Date: 2008-08-18 15:34:58 UTC
From: w7qho@aol.com
Topic: 158 Message: 162

Discontinued in 1939. Replaceable by 6U5/6G5 according to Sibley.

Dennis D. W7QHO
Glendale, CA

****
Looking for a car that's sporty, fun and fits in your budget?
Read reviews on AOL Autos.

(http://autos.aol.com/cars-Volkswagen-Jetta-2009/expert-review?ncid=aolaut00030000000007)

163. Re: [glowbugradio] WTB: 6T5 tube

Yahoo group: glowbugradio
Date: 2008-08-18 16:21:47 UTC
From: Carl
Topic: 158 Message: 163

I know. Im trying to get the original for my 38 Zenith shutterdial
console. Its a different display pattern than the replacements.

Carl

----- Original Message -----
From: <W7QHO@...>
To: <km1h@...>; <glowbugradio@yahoogroups.com>
Sent: Monday, August 18, 2008 11:34 AM
Subject: Re: [glowbugradio] WTB: 6T5 tube

> Discontinued in 1939. Replaceable by 6U5/6G5 according to Sibley.
>
> Dennis D. W7QHO
> Glendale, CA
>
>
>
> **********
> Looking for a car that's sporty, fun and fits in your budget?
> Read reviews on AOL Autos.
>
> (http://autos.aol.com/cars-Volkswagen-Jetta-2009/expert-review?ncid=aolaut00030000000007
>)
>

164. Re: [glowbugradio] WTB: 6T5 tube

Yahoo group: glowbugradio
Date: 2008-08-19 21:26:39 UTC
From: Jim RabidWolf
Topic: 158 Message: 164

Dunno what happened - that's not even the subject of my post...

Jim RabidWolf Hickinbotham (Uncle Rabid)
Uncle Rabid (http://www.unclerabid.com)
We Repair Electronic Speed Controllers
For Asian Mini Lathes and Mini Mills
"Just Crazy Enough To Get the Job Done"

----- Original Message -----
From: D C *Mac* Macdonald
To: glowbugradio@yahoogroups.com
Sent: Monday, August 18, 2008 6:52 AM
Subject: RE: [glowbugradio] WTB: 6T5 tube

Nope!

73 - Mac, K2GKK/5
Oklahoma City, OK

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Mon, 18 Aug 2008 08:51:49 -0400
Subject: Re: [glowbugradio] WTB: 6T5 tube

No message came thru?

Carl

----- Original Message -----
From: "Jim RabidWolf" <unclerabid@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, August 18, 2008 4:34 AM
Subject: Re: [glowbugradio] WTB: 6T5 tube

>
> ----- Original Message -----
> From: "Carl" <km1h@...>
> To: <glowbugradio@yahoogroups.com>
> Sent: Sunday, August 17, 2008 9:09 PM
> Subject: [glowbugradio] WTB: 6T5 tube
>
>
>> Either NOS or known excellent.
>>
>> Carl

>> KM1H
>>
>>
>>
>>
>> ------------------------------------
>>
>> Yahoo! Groups Links
>>
>>
>>
>>
gt;>
>> --
>> No virus found in this incoming message.
>> Checked by AVG.
>> Version: 7.5.524 / Virus Database: 270.6.4/1616 - Release Date:
>> 8/16/2008
>> 5:12 PM
>>
>>
>
>

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.6.4/1616 - Release Date: 8/16/2008 5:12 PM

165. Ebay problems

Yahoo group: glowbugradio
Date: 2008-08-28 00:26:11 UTC
From: Lloyd KK7IZ
Topic: 165 Message: 165

I just got off the phone with the Federal Trade Commission.
They want to hear from you.
You can file a complaint by calling
1-877-382-4357
or go to their web site
www.ftc.gov
home page---quick find---consumer complaints.
Stand up and shout. I understand it does not take many voices to make them pay attention,
after all they have to justify their existence.
Scream, shout, jump up and down. Do something besides complain.
Pass this on to any reflector you can.
And I dam well got 'nads 'nuf to sign my name to it.
Thanx
Lloyd KK7IZ
kk7iz@...

166. Re: [glowbugradio] Ebay problems

Yahoo group: glowbugradio
Date: 2008-08-28 01:40:10 UTC
From: Carl
Topic: 165 Message: 166

What am I supposed to be complaining about? As if I dont need something
else.

Carl
KM1H

----- Original Message -----
From: "Lloyd KK7IZ" <kk7iz@...>
To: <glowbugradio@yahoogroups.com>
Sent: Wednesday, August 27, 2008 8:26 PM
Subject: [glowbugradio] Ebay problems

>I just got off the phone with the Federal Trade Commission.
> They want to hear from you.
> You can file a complaint by calling
> 1-877-382-4357
> or go to their web site
> www.ftc.gov
> home page---quick find---consumer complaints.
> Stand up and shout. I understand it does not take many voices to make
> them
> pay attention,
> after all they have to justify their existence.
> Scream, shout, jump up and down. Do something besides complain.
> Pass this on to any reflector you can.
> And I dam well got 'nads 'nuf to sign my name to it.
> Thanx
> Lloyd KK7IZ
> kk7iz@...
>
>
>

167. Ebay problems and News Sites

Yahoo group: glowbugradio
Date: 2008-08-28 04:08:49 UTC
From: David Hollander
Topic: 165 Message: 167

Hi Lloyd - here are some sites to look at with regards to what is going
on with ebay

http://www.powersellersunite.com/portal.php

http://blog.auctionbytes.com/cgi-bin/blog/blog.pl

http://seekingalpha.com/article/91872-ebay-introduces-new-listing-type?source=yahoo

http://www.200westmain.com/eBay/Tying.htm

To look at a person's negative feedback, use this link

http://toolhaus.org/

See you tomorrow...maybe.

Dave
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

168. Re: [Boatanchors] Ebay problems

Yahoo group: glowbugradio
Date: 2008-08-28 15:10:08 UTC
From: David Hollander
Topic: 168 Message: 168

Ebay has definitely become impossible and appears to be in a death spiral caused by the new CEO John Donahoe who took over in March. He worked for Bain in the past which is a company that send's it's people in to "fix" and restructure other companies i.e layoff, sell-off, etc. Mitt Romney is another from Bain and that was how he made his fortune. The company I was laid off from in 2001 (a spin off of Motorola Semiconductor) was also was also "worked over by people from Bain.

Here are some sites to look at with regards to what is going on with news with ebay.

http://www.powersellersunite.com/portal.php

http://blog.auctionbytes.com/cgi-bin/blog/blog.pl

http://seekingalpha.com/article/91872-ebay-introduces-new-listing-type?source=yahoo

http://www.200westmain.com/eBay/Tying.htm

Not related to the above but very useful.

To look at a person's negative/neutral feedback only without having to dig through all feedback, use this link

http://toolhaus.org/

Ebay is driving off sellers to turn it into an Amazon. John Donahoe said back earlier this year that small sellers were "noise". Every price reduction they have announced has resulted in higher fees. They news stories tout lower listing fees but never mention that the final value fees have increased significantly.

As of this year, the site is full of glitches and things do not work. Changes have been put in place without telling anyone and they don't always work.

My biggest issue is the "forced paypal" which is coming in October. I have never trusted paypal after all of the horror stories I have heard. Money orders, cashier's check and personal checks have worked fine for me for 10 years.

They tried to force paypal only on the Australian Sellers a few months ago. The Aussies took it to their government and ebay lost big time.

Dave N7RK
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk

Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

169. Ebay problems

Yahoo group: glowbugradio
Date: 2008-08-28 16:19:05 UTC
From: Lloyd KK7IZ
Topic: 165 Message: 169

A few people ask what lit my fuse.
Yesterday I started to list 2 pieces of heavy lab equipment. (70-90 lbs)
I found I had to enter shipping information. IE their choices of carrier,
Fedex was not offered, packed weight, size etc. I do not pack until item is
sold, as frequently things are picked up. I finally worked around it by
saying items were in excess of 150 lbs and would have to go freight. I do
not like having to lie to get around their BS.
Further is the upcoming payment changes. This will impact me some as a
seller because not everybody has the ability to pay as they are going to
demand.
Frankly they are getting to big for their britches. I do not like having to
discuss this on the reflectors, but if we don't join forces we might as well
crawl in a hole.
For those of you least affected we who are would appreciate your support.
Who knows, their next edict may impact you.
Please file a complaint with the Federal Trade Commission.
They want to hear from you.
You can file a complaint by calling
1-877-382-4357
or go to their web site
www.ftc.gov
home page---quick find---consumer complaints.
Stand up and shout. I understand it does not take many voices to make them
pay attention,
after all they have to justify their existence.
Scream, shout, jump up and down. Do something besides complain.
Pass this on to any reflector you can.
Thank you for the bandwidth. I will now crawl back in my hole until the next
revolution.
Thanx
Lloyd KK7IZ
kk7iz@...

170. RE: [glowbugradio] Ebay problems

Yahoo group: glowbugradio
Date: 2008-08-28 17:07:10 UTC
From: b_hagen@sbcglobal.net
Topic: 165 Message: 170

And on the other end yesterday I listed a scanner and ran into the same freight problem plus fighting their software problems. I listed the freight as going to Seattle and then put in my description that it would be less if the buyer was closer. The first run through their system said the freight would be $10.00 - don't I wish!

Bruce

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Lloyd KK7IZ
Sent: Thursday, August 28, 2008 12:19 PM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Ebay problems

A few people ask what lit my fuse.
Yesterday I started to list 2 pieces of heavy lab equipment. (70-90 lbs)
I found I had to enter shipping information. IE their choices of carrier, Fedex was not offered, packed weight, size etc. I do not pack until item is sold, as frequently things are picked up. I finally worked around it by saying items were in excess of 150 lbs and would have to go freight. I do not like having to lie to get around their BS.
Further is the upcoming payment changes. This will impact me some as a seller because not everybody has the ability to pay as they are going to demand.
Frankly they are getting to big for their britches. I do not like having to discuss this on the reflectors, but if we don't join forces we might as well

crawl in a hole.
For those of you least affected we who are would appreciate your support.
Who knows, their next edict may impact you.
Please file a complaint with the Federal Trade Commission.
They want to hear from you.
You can file a complaint by calling
1-877-382-4357
or go to their web site
www.ftc.gov
home page---quick find---consumer complaints.
Stand up and shout. I understand it does not take many voices to make them pay attention,
after all they have to justify their existence.
Scream, shout, jump up and down. Do something besides complain.
Pass this on to any reflector you can.
Thank you for the bandwidth. I will now crawl back in my hole until the next

revolution.
Thanx
Lloyd KK7IZ
kk7iz@... <mailto:kk7iz%40cox.net>

171. Re: [glowbugradio] Ebay problems

Yahoo group: glowbugradio
Date: 2008-08-28 17:22:29 UTC
From: Carl
Topic: 165 Message: 171

You can still list thru Ebay Motors which uses the old format.
I use that to get around the shipping BS and it seems to work fine for radio gear. Dont know when Motors will change but they do give you an option to use the new one as the "Beta".

The idea that listing categories are important is pretty much of another Ebay joke. Potential buyers on the main site will still see the item as long as they Key Word what you have. I just load up the first title line and sometimes the second line with lots of Key Words.

It also gives buyers the feeling they found a mis listed bargain from a dumb seller.....

Carl

----- Original Message -----
From: <b_hagen@...>
To: <glowbugradio@yahoogroups.com>
Sent: Thursday, August 28, 2008 1:07 PM
Subject: RE: [glowbugradio] Ebay problems

> And on the other end yesterday I listed a scanner and ran into the
> same
> freight problem plus fighting their software problems. I listed the
> freight
> as going to Seattle and then put in my description that it would be
> less if
> the buyer was closer. The first run through their system said the
> freight
> would be $10.00 - don't I wish!
>
>
>
> Bruce
>
>
>
> _____
>
> From: glowbugradio@yahoogroups.com
> [mailto:glowbugradio@yahoogroups.com] On
> Behalf Of Lloyd KK7IZ
> Sent: Thursday, August 28, 2008 12:19 PM
> To: glowbugradio@yahoogroups.com
> Subject: [glowbugradio] Ebay problems
>

>
>
> A few people ask what lit my fuse.
> Yesterday I started to list 2 pieces of heavy lab equipment. (70-90
> lbs)
> I found I had to enter shipping information. IE their choices of
> carrier,
> Fedex was not offered, packed weight, size etc. I do not pack until
> item is
> sold, as frequently things are picked up. I finally worked around it
> by
> saying items were in excess of 150 lbs and would have to go freight. I
> do
> not like having to lie to get around their BS.
> Further is the upcoming payment changes. This will impact me some as a
> seller because not everybody has the ability to pay as they are going
> to
> demand.
> Frankly they are getting to big for their britches. I do not like
> having to
> discuss this on the reflectors, but if we don't join forces we might
> as well
>
> crawl in a hole.
> For those of you least affected we who are would appreciate your
> support.
> Who knows, their next edict may impact you.
> Please file a complaint with the Federal Trade Commission.
> They want to hear from you.
> You can file a complaint by calling
> 1-877-382-4357
> or go to their web site
> www.ftc.gov
> home page---quick find---consumer complaints.
> Stand up and shout. I understand it does not take many voices to make
> them
> pay attention,
> after all they have to justify their existence.
> Scream, shout, jump up and down. Do something besides complain.
> Pass this on to any reflector you can.
> Thank you for the bandwidth. I will now crawl back in my hole until
> the next
>
> revolution.
> Thanx
> Lloyd KK7IZ
> kk7iz@... <mailto:kk7iz%40cox.net>
>
>
>

>

172. Radio Sales Site

Yahoo group: glowbugradio
Date: 2008-08-28 18:40:43 UTC
From: Dave And Merrijoy
Topic: 172 Message: 172

Hello to the Group,
Recently, I've resurrected a site that I put together several years back to help hams and radio guys have a place to sell. You'll notice, at least, that the price is right!! Anyone here is welcome to take a look. If you like what you see, contact me off-list and I'll answer any questions you might have.
Dave w9ocm http://radioexchange.tripod.com

174. Re: [glowbugradio] Digest Number 27

Yahoo group: glowbugradio
Date: 2008-08-30 19:32:50 UTC
From: kf6 pqt
Topic: 174 Message: 174
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

175. Re: [glowbugradio] Digest Number 27

Yahoo group: glowbugradio
Date: 2008-08-30 19:36:58 UTC
From: Jim
Topic: 174 Message: 175

--- On Sat, 8/30/08, kf6 pqt <kf6pqt.gb@...> wrote:

> Yee haw, swapmeet time at the trailer park!

Awww, be nice!

Trailerfolks need radios too!

Jim N6OTQ

176. Re: Digest Number 27

Yahoo group: glowbugradio
Date: 2008-08-30 21:24:24 UTC
From: Carl
Topic: 174 Message: 176

--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> --- On Sat, 8/30/08, kf6 pqt <kf6pqt.gb@...> wrote:
>
> > Yee haw, swapmeet time at the trailer park!
>
> Awww, be nice!
>
> Trailerfolks need radios too!
>
> Jim N6OTQ
>

Hey, leave Mr Doublewide alone!

I deleted him and his message yesterday.

Now go play with your radios and grandkids on this fine weekend.

Carl

177. A source for crystal doors for your Heathkit DX-35 or DX-40

Yahoo group: glowbugradio
Date: 2008-08-31 03:28:55 UTC
From: John Ruccolo
Topic: 174 Message: 177

Hi Folks,

I was putting a scruffy Heathkit O-12 Laboratory Oscillsocope into the "freebie" pile for a future NJARC meeting when I noticed the small rear cover on the scope cabinet.

This cover is for access to the terminals on the CRT socket, as well as the Z axis binding post. Anyway, it struck me that it might be just the right size for my DX-40. I tried it -- it fits perfectly. Identical paint finish, too!

Perhaps my "new" discovery is old-hat for you Heathkit gurus, but I thought I would pass it on. Makes sense, since both pices of gear were made around the same time; circa the late 50's.

Regards,

John

178. Pausan "Mars" Thunderbird 75-40 Mobile Transmitter Documentation needed.

Yahoo group: glowbugradio
Date: 2008-09-03 17:35:02 UTC
From: Jim Isbell, W5JAI
Topic: 178 Message: 178

I have just purchased a Mars Thundirbird 75-40 meter Mobile
transmitter of 1960s vintage. So far I can only find an article in
the March 1960 QST (nothing useful in it) and one web page by WB6FZH,
with whom I have not been able to make contact.

Does anyone have any documentation on this transmitter???

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

179. Re: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter Documentation needed.

Yahoo group: glowbugradio
Date: 2008-09-04 02:52:37 UTC
From: John Ruccolo
Topic: 178 Message: 179

Hello Jim,

It was featured in an edition of Electric Radio not that long ago (perhaps a year?). I'll see if I can find the issue. Or perhaps you can contact www.ermag.com for the article.

Regards,

John

--- On Wed, 9/3/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:

From: Jim Isbell, W5JAI <jim.isbell@...>
Subject: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter Documentation needed.
To: glowbugs@piobaire.mines.uidaho.edu
Date: Wednesday, September 3, 2008, 1:35 PM

I have just purchased a Mars Thundirbird 75-40 meter Mobile
transmitter of 1960s vintage. So far I can only find an article in
the March 1960 QST (nothing useful in it) and one web page by WB6FZH,
with whom I have not been able to make contact.

Does anyone have any documentation on this transmitter? ??

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

180. Re: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter Documentation needed.

Yahoo group: glowbugradio
Date: 2008-09-04 03:46:13 UTC
From: Jim Isbell, W5JAI
Topic: 178 Message: 180

I would appreciate your looking for it and if you can find it,
download it. I went to their site and could not figure it out unless
I have to join something.

On Wed, Sep 3, 2008 at 9:52 PM, John Ruccolo <jr6v6gt@...> wrote:
> Hello Jim,
>
> It was featured in an edition of Electric Radio not that long ago (perhaps a
> year?). I'll see if I can find the issue. Or perhaps you can contact
> www.ermag.com for the article.
>
>
> Regards,
>
> John
>
> --- On Wed, 9/3/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:
>
> From: Jim Isbell, W5JAI <jim.isbell@...>
> Subject: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter
> Documentation needed.
> To: glowbugs@...
> Date: Wednesday, September 3, 2008, 1:35 PM
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> I have just purchased a Mars Thundirbird 75-40 meter Mobile
> transmitter of 1960s vintage. So far I can only find an article in
> the March 1960 QST (nothing useful in it) and one web page by WB6FZH,
> with whom I have not been able to make contact.
>
> Does anyone have any documentation on this transmitter? ??
>
> --
> Jim Isbell
> "If you are not living on the edge, well then,
> you are just taking up too much space."
>
>

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

181. Re: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter Documentation needed.

Yahoo group: glowbugradio
Date: 2008-09-04 04:11:27 UTC
From: John Ruccolo
Topic: 178 Message: 181

Hi Jim,

I found it -- November 2007. The author is Walt Evanyk, W8KSW.

His email address in the article is shaneford@....

Perhaps you can get the article from him, or I'll try to scan it when I get a chance.

He drew his own schematic in the article, and did a nice job. Apparently, documentation for this rig is scarce -- as is the xmitter itself.

Regards,

John

--- On Wed, 9/3/08, Jim Isbell, W5JAI <jim.isbell@gmail.com> wrote:

From: Jim Isbell, W5JAI <jim.isbell@...>
Subject: Re: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter Documentation needed.
To: glowbugradio@yahoogroups.com
Date: Wednesday, September 3, 2008, 11:46 PM

I would appreciate your looking for it and if you can find it,
download it. I went to their site and could not figure it out unless
I have to join something.

On Wed, Sep 3, 2008 at 9:52 PM, John Ruccolo <jr6v6gt@yahoo. com> wrote:
> Hello Jim,
>
> It was featured in an edition of Electric Radio not that long ago (perhaps a
> year?). I'll see if I can find the issue. Or perhaps you can contact
> www.ermag.com for the article.
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> Regards,
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> John
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> --- On Wed, 9/3/08, Jim Isbell, W5JAI <jim.isbell@gmail. com> wrote:
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> From: Jim Isbell, W5JAI <jim.isbell@gmail. com>
> Subject: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter
> Documentation needed.
> To: glowbugs@piobaire. mines.uidaho. edu
> Date: Wednesday, September 3, 2008, 1:35 PM

>
> I have just purchased a Mars Thundirbird 75-40 meter Mobile
> transmitter of 1960s vintage. So far I can only find an article in
> the March 1960 QST (nothing useful in it) and one web page by WB6FZH,
> with whom I have not been able to make contact.
>
> Does anyone have any documentation on this transmitter? ??
>
> --
> Jim Isbell
> "If you are not living on the edge, well then,
> you are just taking up too much space."
>
>

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

182. Re: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter Documentation needed.

Yahoo group: glowbugradio
Date: 2008-09-04 04:53:17 UTC
From: Jim Isbell, W5JAI
Topic: 178 Message: 182

Thanks. I appreciate the information.

On Wed, Sep 3, 2008 at 11:11 PM, John Ruccolo <jr6v6gt@...> wrote:
> Hi Jim,
>
> I found it -- November 2007. The author is Walt Evanyk, W8KSW.
>
> His email address in the article is shaneford@....
>
> Perhaps you can get the article from him, or I'll try to scan it when I get
> a chance.
>
> He drew his own schematic in the article, and did a nice job. Apparently,
> documentation for this rig is scarce -- as is the xmitter itself.
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> Regards,
>
> John
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> --- On Wed, 9/3/08, Jim Isbell, W5JAI <jim.isbell@...> wrote:
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> From: Jim Isbell, W5JAI <jim.isbell@...>
> Subject: Re: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile
> Transmitter Documentation needed.
> To: glowbugradio@yahoogroups.com
> Date: Wednesday, September 3, 2008, 11:46 PM
>
> I would appreciate your looking for it and if you can find it,
> download it. I went to their site and could not figure it out unless
> I have to join something.
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> On Wed, Sep 3, 2008 at 9:52 PM, John Ruccolo <jr6v6gt@yahoo. com> wrote:
>> Hello Jim,
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>> It was featured in an edition of Electric Radio not that long ago (perhaps
>> a
>> year?). I'll see if I can find the issue. Or perhaps you can contact
>> www.ermag.com for the article.
>>
>>
>> Regards,
>>
>> John
>>

>> --- On Wed, 9/3/08, Jim Isbell, W5JAI <jim.isbell@gmail. com> wrote:
>>
>> From: Jim Isbell, W5JAI <jim.isbell@gmail. com>
>> Subject: [glowbugradio] Pausan "Mars" Thunderbird 75-40 Mobile Transmitter
>> Documentation needed.
>> To: glowbugs@piobaire. mines.uidaho. edu
>> Date: Wednesday, September 3, 2008, 1:35 PM
>>
>> I have just purchased a Mars Thundirbird 75-40 meter Mobile
>> transmitter of 1960s vintage. So far I can only find an article in
>> the March 1960 QST (nothing useful in it) and one web page by WB6FZH,
>> with whom I have not been able to make contact.
>>
>> Does anyone have any documentation on this transmitter? ??
>>
>> --
>> Jim Isbell
>> "If you are not living on the edge, well then,
>> you are just taking up too much space."
>>
>>
>
> --
> Jim Isbell
> "If you are not living on the edge, well then,
> you are just taking up too much space."
>
>

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

183. Quiet?

Yahoo group: glowbugradio
Date: 2008-09-12 19:12:59 UTC
From: Bob Macklin
Topic: 183 Message: 183

It seems QUIET here just like on my radios here at home in Puget Sound.

And most of the other message boards are quiet too!

They think we MAY actually be at the bottom of the Solar Cycle. They claimed there was a new cycle sunspot this week!

Bob Macklin
K5MYJ
Puget Sound

184. FS: Vernier Dials, Roller Inductors, RF Ammeters and More

Yahoo group: glowbugradio
Date: 2008-09-22 15:55:22 UTC
From: David Hollander
Topic: 184 Message: 184

Here are a bunch of parts for sale. Prices do not include shipping. I will ship overseas.

Monarch 50mm Vernier Dial...$18 plus shipping
50 mm version which is 2 inches in diameter couples to a standard 1/4 inch shaft.
http://members.cox.net/radiodx3/50mmJAvernier.JPG

EF Johnson Roller Inductor.....$40 plus shipping
The max inductance of this roller coil is approximately 13 uh and this should cover 3.5 to 30 MHz. This is in excellent condition. The dimensions of this coil are 3.5 inches long by 2.5 inches wide by 3 inches high.
http://members.cox.net/radiodx3/smallrollercoil.JPG

EF Johnson Roller Inductor.....$40 plus shipping
The max inductance of this roller coil is approximately 13 uh and this should cover 3.5 to 30 MHz. This is in excellent condition. The dimensions of this coil are 3.5 inches long by 2.5 inches wide by 3 inches high.
http://members.cox.net/radiodx3/efjrollercoil.JPG

National Radio "Velvet Vernier" Type AM Dial.....$25 plus shipping
Includes Insulated Coupling
http://members.cox.net/radiodx3/nat_amdial.JPG
http://members.cox.net/radiodx3/nat_amdial2.JPG

National Radio "Velvet Vernier" Type AM Dial.....$25 plus shipping
Includes Insulated Coupling
http://members.cox.net/radiodx3/nat_amdial3.JPG
http://members.cox.net/radiodx3/nat_amdial4.JPG

National Radio Velvet Vernier Dial & Insulated Coupling....$22 plus shipping
http://members.cox.net/radiodx3/velvet_vernier.JPG
http://members.cox.net/radiodx3/velvet_vernier2.JPG

Triplett RF Ammeter - 10 Amp Maximum....$25 plus shipping
http://members.cox.net/radiodx3/10a_sqrfammeter.JPG

Geared 3 Section Variable Capacitor ....$20 plus shipping
Came out of a Hallicrafters SX-71 receiver.Measures 35 pf max per section and 10 pf min. Tying the 3 sections together will give you a variable capacitor with a max capacitance of 105 pf. The dimensions are 5 inches long by 3 inches wide by 2 inches high. The shaft is a standard 0.25 inches. This would be a great loading capacitor in a homebrew VHF transmitter or in a tuning capacitor in a crystal radio.
http://members.cox.net/radiostuff9/big3seccap3.JPG

Cardwell 100 pf Variable Capacitor....$20 plus shipping
http://members.cox.net/radiodx3/cardwell_cap.JPG

Unknown 200 pf Variable Capacitor....$20 plus shipping
http://members.cox.net/radiodx3/200pfcap.JPG

Geared 3 Section Variable Capacitor...$20 plus shipping
Came out of a Hallicrafters SX-71 receiver. Measures 470 pf max per section and 10 pf min. Tying the 3 sections together will give you a variable capacitor with a max capacitance of 1470 pf. The dimensions are 7 inches long by 3.5 inches wide by 2 inches high. The shaft is a standard 0.25 inches. This would be a great loading capacitor in a homebrew transmitter or in a tuning capacitor in a crystal radio.
http://members.cox.net/radiostuff9/big3seccap.JPG

Lighted VU Meter ....$15 plus shipping
The manufacturer is unknown. This is a tested working meter. The dimensions are 3 inches by 3 inches. The body will fit a hole that is 2.75 inches in diameter. looks better than in photo.
http://members.cox.net/radiostuff9/vu_meterB.JPG

Lighted VU Meter..........$20 plus shipping
The manufacturer is unknown. This is a tested working meter. Their is crack in the housing which can be seen in one of the photos. The dimensions are 2.25 inches by 2.25 inches. The body will fit a hole that is 2.25 inches in diameter.
http://members.cox.net/radiostuff9/vu_meter.JPG

100 kHz Crystal for Receiver Crystal Calibrator...$14 plus shipping
This is a working crystal removed from a Hallicrafters receiver that was parted out.
http://members.cox.net/radiostuff9/100khzxtal.JPG

--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

--
****
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ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

185. FS: Heathkit, Swan Lysco, National, Halicrafters, Knight Kit, etc.

Yahoo group: glowbugradio
Date: 2008-09-22 16:00:09 UTC
From: David Hollander
Topic: 185 Message: 185

Here are a few items for sale. Prices do not include shipping. I will entertain reasonable offers and I will ship overseas.

Heathkit SB-220 Linear Amplifier.....$825 plus shipping
This is a 1 KW 80-10 meter linear amplifier that runs off of 110 VAC or 220 VAC. It uses a pair of 3-500 tubes. This amp is in very nice shape with no extra holes. It has a few paint chips/scratches. Nothing has been arced or burned and the amp was recently given a thorough go-through (last month). Puts out around 800 - 850 watts with 100 watts drive on 110 volts. I have used this with my Yaesu FT-1000MP transceiver. Includes a photocopy of the manual.
http://members.cox.net/radiodx3/sb220.JPG
http://members.cox.net/radiodx3/sb2202.JPG
http://members.cox.net/radiodx3/sb2203.JPG
http://members.cox.net/radiodx3/sb2204.JPG

Swan ST-1 3 Kilowatt PEP Antenna Tuner....$225 plus shipping
This tuner covers 160-10 meters and can be used with coaxial fed antennas or an end-fed wire. It also includes a balun so that it may be used with open wire feeders. The tuner circuitry is identical to the Swan ST-2 which has the addition of the SWR/power meter built in. This is a tested, working unit in nice shape with no arc/or burns inside. It does have some scratches.
http://members.cox.net/radiodx3/swan_st1.JPG
http://members.cox.net/radiodx3/swan_st12.JPG
http://members.cox.net/radiodx3/swan_st14.JPG

Lysco Transmaster 600 Transmitter.....$225 plus shipping
Works on all bands. Clean looking unit but does have extra holes drilled in it. This model does not have the modulator. Includes a photocopy of the manual.
http://members.cox.net/radiostuff9/lyscoTM.JPG
http://members.cox.net/radiostuff9/lyscoTM2.JPG
http://members.cox.net/radiostuff9/lyscoTM4.JPG
http://members.cox.net/radiostuff9/lyscoTM6.JPG

National Radio NC-303 Speaker.....$100 plus shipping
http://members.cox.net/radiostuff9/nc303speaker.JPG
http://members.cox.net/radiostuff9/nc3032speaker.JPG

Knight P2 SWR Power Meter with Original Manual....$35 plus shipping
Tested, working unit. Small scratch on meter face and paint chipped off on directional coupler.
http://members.cox.net/radiodx3/knightp2.JPG
http://members.cox.net/radiodx3/knightp22.JPG
http://members.cox.net/radiodx3/knightp23.JPG

Kenwood HC-10 24 Hour World Time Clock...$85 plus shipping
This quartz based digital world clock has a dual 24 hour display. It shows local time and the time in ten preprogrammed plus two programmable time zones. The clock works well and keeps good time.
http://members.cox.net/radiodx3/kenwoodHC10.JPG
http://members.cox.net/radiodx3/kenwoodHC102.JPG

Westclox WT8AMP Canadian Military Telegraph Key..,,,,,,,.$35 plus shipping (I have several of these)
The key appears to be new old stock and in excellent condition. I believe these were used by the Canadian Military in W.W.II.
http://members.cox.net/radiostuff9/mil_key.JPG
http://members.cox.net/radiostuff9/mil_key2.JPG

Hallicrafters SX-43 Receiver with Manual....$130 plus shipping
The receiver works but would benefit from a restoration. I listened to signals on the AM broadcast band, WWV at 5, 10 and 15 MHz as well as signals on several short wave bands. I did not hear signals on the higher bands or on the FM band so I would assume it needs help. The s-meter works, the BFO and crystal filter work. Cosmetically, it has lots of scuffs and scratches as can be seen in the photos. It has all of the correct knobs. It does not have any dings, dents or extra holes. This is a a heavy receiver. Includes a photocopy of the manual.
http://members.cox.net/radiodx5/sx43.JPG
http://members.cox.net/radiodx5/sx432.JPG
http://members.cox.net/radiodx5/sx433.JPG
http://members.cox.net/radiodx5/sx435.JPG
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

186. DTV Converters

Yahoo group: glowbugradio
Date: 2008-09-22 16:11:17 UTC
From: ardy41
Topic: 186 Message: 186

I am looking for experienced users of DTV converters for recommendations on which to buy. Anyone have any advice about the Apex or Insignia units. Of course, any information on other models would be appreciated. I know this is may be off topic, but I want to get a converter to make sure a vintage GB TV set will be useable in the future.

73
Dick
KC9UB

187. Re: [glowbugradio] DTV Converters

Yahoo group: glowbugradio
Date: 2008-09-22 16:47:41 UTC
From: Robert Nickels
Topic: 186 Message: 187

ardy41 wrote:
>
> I am looking for experienced users of DTV converters for
> recommendations on which to buy.
>

Hi Dick,

I got mine at Radio Shack, the maker is Nihens. I hooked it to my little LCD TV in my camper with the crankup antenna only about halfway up and shadowed behind the house, was able to pull in all the local DTV signals from about 30 miles away. Review here:
http://newtvinfo.com/digitalstream.html

I recommend it.

73, Bob W9RAN

188. Re: [glowbugradio] DTV Converters

Yahoo group: glowbugradio
Date: 2008-09-22 17:27:11 UTC
From: Carl
Topic: 186 Message: 188

After spending time on several forums reading reviews and asking questions the decisions were:

I am very pleased with the Insignia NX-DXA1-APT which is the Best Buy house brand of the Zenith. Very easy to set up and use. That is used on an 80's RCA in the BR with rabbit ears. I live on top of a hill (;

I also have the Rat Shack DTX9950. That is a little bit harder to setup and doesnt work as well on weak signals or a TV with a higher noise figure front end. It works fine on a fairly new Toshiba 36" in the FR.

Many tube type TV collectors prefer the Insignia also.

The next two coupons have 2 months to expiration and unless something better comes along I'll get more Insignias.

Carl
KM1H

----- Original Message -----
From: "ardy41" <donley.dn@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, September 22, 2008 12:11 PM
Subject: [glowbugradio] DTV Converters

I am looking for experienced users of DTV converters for recommendations on which to buy. Anyone have any advice about the Apex or Insignia units. Of course, any information on other models would be appreciated. I know this is may be off topic, but I want to get a converter to make sure a vintage GB TV set will be useable in the future.

73
Dick
KC9UB

189. Re: [glowbugradio] DTV Converters

Yahoo group: glowbugradio
Date: 2008-09-22 17:46:37 UTC
From: K0DAN
Topic: 186 Message: 189

I bought whatever model WalMart had on the shelf. I used my government coupon and ended up paying $10 for it. If it's important to you, let me know, and I'll go look..can't remember now, but maybe it was RCA?)

Easy to install and program, and works great (actually about 3X more channels available on digital than analog...surprise!...and picture quality improved considerably, even on non-HD TV)!

I don't know if there's a lot of difference between the various converter models or if any offer more features than others.

Seems to me if you're just trying to extend the life cycle of an analog TV, they're all about the same. If you have high-end and HD components end-to-end, then maybe you want to do more research (I didn't, and I'm not HD).

In my case, I have a nice 40" Samsung TV (about 6 years old?) in the bedroom. It's hooked up to a Bose sound system, we mostly watch DISH thru it, with occasional DVD's. BUT it's an analog TV. When we wish to watch over-the-air, it does fine today, and for the $10 investment at WalMart it'll do fine after Feb. 09. It won't be HD, but then I don't really care! The cheapie DTV converters all have a bunch of I/O, so daisy-chaining VCR's, outputting audio, etc., is pretty flexible.

I'd probably make the same argument even for a little 12" TV on the kitchen counter.

And BTW, don't fall for the antenna BS the guys at Best Buy, RatShack, etc., are now giving, ie you need to buy a "digital antenna"...hogwash! Rabbit ears, 300 ohm dipoles, and chimney mounted antennas work just FINE with the digital signals! If you're in a fringe area, and your analog TV video shows "snow", then you may not be happy with digital...it does require a certain S/N ratio, and then will just drop out more than analog but OTOH if you have a decent signal, the digitial error correction will actually get rid of all the snow, ghosting, and multipath.

Sorry to all for the off-topic post, but I just went down this road and thought I'd help out a fellow ham. All my (non-ham) friends are asking the same questions, so thought I'd share the joy.

73
Dan
K0DAN

----- Original Message -----
From: "ardy41" <donley.dn@...>
To: <glowbugradio@yahoogroups.com>

Sent: Monday, September 22, 2008 11:11 AM
Subject: [glowbugradio] DTV Converters

>I am looking for experienced users of DTV converters for
> recommendations on which to buy. Anyone have any advice about the Apex
> or Insignia units. Of course, any information on other models would be
> appreciated. I know this is may be off topic, but I want to get a
> converter to make sure a vintage GB TV set will be useable in the
> future.
>
> 73
> Dick
> KC9UB
>
>

190. WTB: Heath SB-220 or SB-221

Yahoo group: glowbugradio
Date: 2008-09-23 14:45:00 UTC
From: Carl
Topic: 190 Message: 190

Im looking for one in almost any condition as long as it isnt crunched and the meters work.

Carl
KM1H

191. HELLENEDYNE: a new type of receiver

Yahoo group: glowbugradio
Date: 2008-10-08 21:26:58 UTC
From: just_rtfm
Topic: 191 Message: 191

hi everyone:

i have designed a new class of regen-reflex radio. the design uses cathode follower at RF and grounded grid at AF. this is a safe set running on just 18 Volts of plate! if you love simple designs, see schematic and explaination, in PDF format, at my website:

http://home.comcast.net/~phils_radio_designs/index.htm

regards,
phil :)

192. FS: Heathkit, National, Drake and Other Original Manuals

Yahoo group: glowbugradio
Date: 2008-10-09 19:45:45 UTC
From: David Hollander
Topic: 192 Message: 192

I have over 100 Heathkit original manuals for sale along with a few
original Drake, National and Yaesu manuals. I will ship international.

The list can be seen here:

http://members.cox.net/radiostuff9/manuals_fs.htm

73 and Tnx for looking,

Dave N7RK

--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

193. FS: Lot's of Radio Books

Yahoo group: glowbugradio
Date: 2008-10-13 15:00:22 UTC
From: David Hollander
Topic: 193 Message: 193

Here are some books for sale. Shipping in a padded envelope or a box for the bigger books is $5 in most cases (depends upon quantity).

I will ship overseas. All books are in very good to excellent condition unless noted

Lightning Protection-(Hard Cover (1973)....$12

Dipole and Long Wire Antennas (1969) - Noll....$10

Command Sets 1957 CQ Magazine ...$15

RCA Receiving Tube Manual (1961)......$5
Spine needs to be glued for a portion of pages

General Radio Handbook of Noise Measurement.........$7

Audio Measurements (1996) - $10

HF Antenna Collection - David 1991 (RSGB).......$20

Amateur Radio Antenna Handbook - Hooten (1962)....$7

Electronic Test Equipment Handbook (199)1.........$5

ARRL Antenna Compendeum Volume 1 (1985)......$10

ARRL Radio Amateur?s Handbook (1983)......$8

ARRL Radio Amateur?s Handbook (1986)......$8

ARRL Radio Amateur?s Handbook - hardcover (1989)......$8

ARRL Radio Amateur?s Handbook (1995)......$10

ARRL Radio Amateur?s Handbook - hardcover (1994).............$13

ARRL Antenna Book (1984)......$10

ARRL Antenna Book 13th Edition (1974)....$8

ARRL Antenna Book 10th Edition (1964)....$8

ARRL Antenna Book 6th Edition (1954)....$8

ARRL Antenna Book (1994)....$150

ARRL Antenna Book (1997)....$15

ARRL VHF Manual (1968).............$8

Radio Operating - Questions and Answers (1952).....$7

RF Exposure and You - Hare 1998 ARRL?.$10

Beitman's Most Often Needed Radio Diagrams.....$20
1942, 1950, 1951 and 1952 all in excellent condition

73 and thanks for looking
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

194. FS: Heathkit, Millen , National, Knight, Lysco, Military and More

Yahoo group: glowbugradio
Date: 2008-10-21 21:27:34 UTC
From: David Hollander
Topic: 194 Message: 194

Here are a few items for sale. Prices do not include shipping. I will entertain reasonable offers and I will ship overseas.

Heathkit SB-220 Linear Amplifier.....$700 plus shipping
This is a 1 KW 80-10 meter linear amplifier that runs off of 110 VAC or 220 VAC. It uses a pair of 3-500 tubes. This amp is in very nice shape with no extra holes. It has a few paint chips/scratches. Nothing has been arced or burned and the amp was recently given a thorough go-through (last month). Puts out around 800 - 850 watts with 100 watts drive on 110 volts. I have used this with my Yaesu FT-1000MP transceiver. Includes a photocopy of the manual.
http://members.cox.net/radiodx3/sb220.JPG
http://members.cox.net/radiodx3/sb2202.JPG
http://members.cox.net/radiodx3/sb2203.JPG
http://members.cox.net/radiodx3/sb2204.JPG

Wanzer Z-4 Z-Match 160-10 meter Antenna Tuner.....$100 plus shipping
Clean unit. Nothing has been arced or burned inside.
http://members.cox.net/radiodx5/z_match.JPG
http://members.cox.net/radiodx5/z_match2.JPG
http://members.cox.net/radiodx5/z_match3.JPG
http://members.cox.net/radiodx5/z_match4.JPG
http://members.cox.net/radiodx5/z_match5.JPG

Millen GDO with Original Box.....$125 plus shipping
Excellent working Millen GDO with all coils and original manual and original box. Box also has Burstein Applebee tape on it.
http://members.cox.net/radiodx5/millen_gdo.JPG
http://members.cox.net/radiodx5/millen_gdo2.JPG
http://members.cox.net/radiodx5/millen_gdo3.JPG
http://members.cox.net/radiodx5/millen_gdo4.JPG
http://members.cox.net/radiodx5/millen_gdo5.JPG

LS-215 Loudpseaker - NOS, NIB?.....$90 plus shipping
Appears to be NOS in the original bix but a bit of paint is lifting on one side.
http://members.cox.net/radiodx5/ls215loudspeaker.JPG
http://members.cox.net/radiodx5/ls215loudspeaker.JPG
http://members.cox.net/radiodx5/ls215loudspeaker.JPG
http://members.cox.net/radiodx5/ls215loudspeaker.JPG

W.W.II Aircraft Radio Receiver CW-46051A RU-16...$400 plus shipping
Western Electric W.W.II Aircraft Radio Receiver CW-46051A which is part of the RU-16 aircraft radio equipment. This also includes the rack mount. This unit appears to be NOS and is in excellent condition. It has the RU-16 dual coil set which is Low Range Q and High Range M. It is

untested as I don't have the cables or a power supply.
http://members.cox.net/radiodx3/ru16receiver.JPG
http://members.cox.net/radiodx3/ru16receiver3.JPG

Signal Corps ARC-5 Receiver Mounting Rack FT-220-A...$125 plus shipping
Made by Western Electric. This will hold three ARC-5 receivers. This is
in good condition as can be seen in the photos.
http://members.cox.net/radiodx3/arc5rack.JPG

1920's Acme Radio Battery Eliminator - Tungar Rectifier...$75 plus shipping
I believe this unit is from the 1920's. This is in excellent cosmetic
and working condition. I measured 12-13 volts dc out of this unit.
http://members.cox.net/radiostuff9/b_eliminator.JPG

Lysco Transmaster 600 Transmitter.....$225 plus shipping
Works on all bands. Clean looking unit but does have extra holes drilled
in it. This model does not have the modulator. Includes a photocopy of
the manual.
http://members.cox.net/radiostuff9/lyscoTM.JPG
http://members.cox.net/radiostuff9/lyscoTM2.JPG
http://members.cox.net/radiostuff9/lyscoTM4.JPG
http://members.cox.net/radiostuff9/lyscoTM6.JPG

National Radio NC-303 Speaker.....$90 plus shipping
http://members.cox.net/radiostuff9/nc303speaker.JPG
http://members.cox.net/radiostuff9/nc3032speaker.JPG

Knight P2 SWR Power Meter with Original Manual....$30 plus shipping
Tested, working unit. Small scratch on meter face and paint chipped off
on directional coupler.
http://members.cox.net/radiodx3/knightp2.JPG
http://members.cox.net/radiodx3/knightp22.JPG
http://members.cox.net/radiodx3/knightp23.JPG

Westclox WT8AMP Canadian Military Telegraph Key...$35 plus shipping
(I have several of these keys)
The key appears to be new old stock and in excellent condition. I
believe these were used by the Canadian Military in W.W.II.
http://members.cox.net/radiostuff9/mil_key.JPG
http://members.cox.net/radiostuff9/mil_key2.JPG
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****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

195. Hallicrafters HT-9 photos needed

Yahoo group: glowbugradio
Date: 2008-10-26 23:58:26 UTC
From: Carl
Topic: 195 Message: 195

A new true boatanchor will soon be on the bench, all roughly 150# of it, for a full restoration. It is the all black prewar version.

The first thing I need is clear interior photos, top and bottom, of an original one. Different paper caps is OK.

From what Ive seen so far, changes are a couple of miniature VR tubes and no other obvious hacks.

Photos will be in the gallery

Carl
KM1H

196. FS: Heathkit, National, Drake and Other Original Manuals

Yahoo group: glowbugradio
Date: 2008-10-30 14:04:37 UTC
From: David Hollander
Topic: 192 Message: 196

I have many Heathkit original manuals for sale along with a few
original Drake, National and Yaesu manuals. I will ship international.

The list can be seen here:

http://members.cox.net/radiostuff9/manuals_fs.htm

73 and Tnx for looking,

Dave N7RK
--
****
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Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

197. Hallicrafters HT-9 814 final coils needed.

Yahoo group: glowbugradio
Date: 2008-11-01 01:52:21 UTC
From: Carl
Topic: 197 Message: 197

Id like to find original coils if possible.

Need 160, 80, and 20M tank coils for the final. They look like B&W coil stock on in-line ceramic plug bars.

Carl
KM1H

198. My activities

Yahoo group: glowbugradio
Date: 2008-11-01 12:23:56 UTC
From: dk3bi
Topic: 198 Message: 198

Hello glowbuggers,
thank you for the warm welcome.
I am especially interested in tube type radio equipment.
You can see some information about me and my activities on my web site:

http://www.dk3bi.de

73 de Udo dk3bi

199. Re: [glowbugradio] Digest Number 40

Yahoo group: glowbugradio
Date: 2008-11-02 15:14:51 UTC
From: Paul Beckwith
Topic: 199 Message: 199

Nice work, Udo!! Thanks for sharing your interesting products with us.

73's de Paul K2LMQ Kingman, AZ

At 02:14 AM 11/2/2008, glowbugradio@yahoogroups.com wrote:
><http://groups.yahoo.com/group/glowbugradio;_ylc=X3oDMTJlcnFwaDc3BF9TAzk3MzU5NzE1BGdycElk
AzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDaGRyBHNsawNocGgEc3RpbWUDMTIyNTYxNzI4OQ-->Glowb
ug
>Radio
>
>
>Messages In This Digest (1 Message)
>
>
>
>1.
>My activities From: dk3bi
><http://groups.yahoo.com/group/glowbugradio/messages;_ylc=X3oDMTJnZ3E3NW5nBF9TAzk3MzU5NzE
1BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZG1zZwRzbGsDYXRwYwRzdGltZQMxMjI1NjE3M
jg5?xm=1&m=p&tidx=1>View
>All Topics |
><http://groups.yahoo.com/group/glowbugradio/post;_ylc=X3oDMTJnajRjNWJjBF9TAzk3MzU5NzE1BGd
ycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZG1zZwRzbGsDbnRwYwRzdGltZQMxMjI1NjE3Mjg5>
Create
>New Topic
>
>
>Message
>
>
>
>1.
>
>My activities
>
>
>
>
>
>Posted by: "dk3bi" <mailto:dk3bi@...?Subject=
>Re%3AMy%20activities>dk3bi@... <http://profiles.yahoo.com/dk3bi>dk3bi
>
>
>
>

>
>Sat Nov 1, 2008 5:24 am (PDT)
>
>
>Hello glowbuggers,
>thank you for the warm welcome.
>I am especially interested in tube type radio equipment.
>You can see some information about me and my activities on my web site:
>
><http://www.dk3bi.de>http://www.dk3bi.de
>73 de Udo dk3bi

200. Looking for QST article

Yahoo group: glowbugradio
Date: 2008-11-09 22:20:16 UTC
From: John Parker
Topic: 198 Message: 200

Does anyone have the October 1997 issue of QST on CD Rom?

If so, would it be too much to ask for a copy of the Article "The 40M SLR -
A Shielded-Loop Receiver" by Daniel Wissell, N1BYT.

Thanks in advance..

73,

John KD7KFT

201. Re: [glowbugradio] Looking for QST article

Yahoo group: glowbugradio
Date: 2008-11-09 22:31:02 UTC
From: k1sco_John
Topic: 198 Message: 201
Attachments: 3 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

202. Re: [glowbugradio] Looking for QST article

Yahoo group: glowbugradio
Date: 2008-11-09 22:43:57 UTC
From: Mike WE0H
Topic: 198 Message: 202

Thank you John. Sure nice that this Group allows attachments. That is a neat antenna/ DC receiver

Mike
WE0H

k1sco_John wrote:
> Attached is the article.
> 73's, John, K1SCO

203. RE: [glowbugradio] Looking for QST article

Yahoo group: glowbugradio
Date: 2008-11-09 23:13:44 UTC
From: John Parker
Topic: 198 Message: 203

Thanks John....

Really appreciate it!!

John

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of k1sco_John
Sent: Sunday, November 09, 2008 2:31 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Looking for QST article

Attached is the article.
73's, John, K1SCO

On Sun, Nov 9, 2008 at 4:20 PM, John Parker <parkjv1@comcast.
<mailto:parkjv1@...> net> wrote:

Does anyone have the October 1997 issue of QST on CD Rom?

If so, would it be too much to ask for a copy of the Article "The 40M SLR - A Shielded-Loop Receiver" by Daniel Wissell, N1BYT.

Thanks in advance..

73,

John KD7KFT

204. RE: [glowbugradio] Looking for QST article

Yahoo group: glowbugradio
Date: 2008-11-09 23:17:44 UTC
From: John Parker
Topic: 198 Message: 204

Mike,

I had purchased some of the parts years ago. Just started digging though my stuff in the garage and came across them. Of course, my first reaction, what the heck is this stuff for?

Went through about 20 QST magazines before I found the article in the Sept. 2000 QST which made reference the 1997 and and one other QST, Jun 1998 which is availabe online at ARRL. They didn't have the 1997 article.

73,

John KD7KFT

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Mike WE0H
Sent: Sunday, November 09, 2008 2:44 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Looking for QST article

Thank you John. Sure nice that this Group allows attachments. That is a neat antenna/ DC receiver

Mike
WE0H

k1sco_John wrote:
> Attached is the article.
> 73's, John, K1SCO

205. Re: [glowbugradio] Looking for QST article

Yahoo group: glowbugradio
Date: 2008-11-10 00:09:16 UTC
From: Mike WE0H
Topic: 198 Message: 205

Hi John,

Funny, I do the same stuff here. Order parts, forget what they were for so they get filed away for who knows how long then what? I have no clue what these parts are for... hi hi...

That receiver could be adapted to any band which makes it a nice universal design. It seems like RX & TX loops are being talked about more often than not these days. The LF & MF Experimental band guys have been using loops for many years both TX & RX style. They work great.

73
Mike
WE0H

John Parker wrote:
> Mike,
>
> I had purchased some of the parts years ago. Just started digging
> though my stuff in the garage and came across them. Of course, my
> first reaction, what the heck is this stuff for?
>
> Went through about 20 QST magazines before I found the article in the
> Sept. 2000 QST which made reference the 1997 and and one other QST,
> Jun 1998 which is availabe online at ARRL. They didn't have the 1997
> article.
>
> 73,
>
> John KD7KFT

206. hickok tester

Yahoo group: glowbugradio
Date: 2008-11-11 23:49:53 UTC
From: Paul Kraemer
Topic: 206 Message: 206

Group
I am desperately looking for a manual for a transistor tester made by Hickok for military.
This is a beautiful old unit---sort of like a TV-7 except for transistors
It is known as an 1890M
Built under AF contract AF 36(600)-13288
Stock number 6625-731-5716
I believe I have Googled and searched to the extent of my ability and can find nothing more than threads that it exits
Any help is sincerely appreciated.
An original manual to purchase would be perfect but at this point even a copy or link would help.
Keep em glowing!
Paul K0UYA

207. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 00:43:45 UTC
From: parkjv1@comcast.net
Topic: 206 Message: 207

Not knowing that much about Hickok equipment could this be it?

http://cgi.ebay.com/HICKOK-890-Transistor-Tester-Operating-Manual-Original_W0QQitemZ280244907627QQcmdZViewItemQQptZBI_Books_Manuals?_trksid=p3286.m20.l1116#ebayphotohosting

John KD7KFT

---------- Original message ----------
From: "Paul Kraemer" <elespe@...>
Group
I am desperately looking for a manual for a transistor tester made by Hickok for military.
This is a beautiful old unit---sort of like a TV-7 except for transistors
It is known as an 1890M
Built under AF contract AF 36(600)-13288
Stock number 6625-731-5716
I believe I have Googled and searched to the extent of my ability and can find nothing more than threads that it exits
Any help is sincerely appreciated.
An original manual to purchase would be perfect but at this point even a copy or link would help.
Keep em glowing!
Paul K0UYA

208. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 00:47:14 UTC
From: parkjv1@comcast.net
Topic: 206 Message: 208

http://www.wbparts.com/rfq/6625-00-993-3389.html

You might ask this site if they have a manual.

John

--------------- Original message --------------
From: "Paul Kraemer" <elespe@...>
Group
I am desperately looking for a manual for a transistor tester made by Hickok for military.
This is a beautiful old unit---sort of like a TV-7 except for transistors
It is known as an 1890M
Built under AF contract AF 36(600)-13288
Stock number 6625-731-5716
I believe I have Googled and searched to the extent of my ability and can find nothing more than threads that it exits
Any help is sincerely appreciated.
An original manual to purchase would be perfect but at this point even a copy or link would help.
Keep em glowing!
Paul K0UYA

209. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 00:55:42 UTC
From: parkjv1@comcast.net
Topic: 206 Message: 209

From what I can tell there is an entry out in web land where someone is looking for a manual as well.

He indicated the following;

Can't seem to find one thru the normal sources.
Anyone have one out there?

Marvin

PS the manual also has a military
version called: T.O. 33A1-3-206-1

A searach of the T.O. number came up with this URL where you can request a quote for purchase.

http://www.newportaero.com/home/manuals/technical_orders/browse/___109000/to.html?sort=part_number

73,

John KF7KFT

-------------- Original message --------------
From: "Paul Kraemer" <elespe@...>
Group
I am desperately looking for a manual for a transistor tester made by Hickok for military.
This is a beautiful old unit---sort of like a TV-7 except for transistors
It is known as an 1890M
Built under AF contract AF 36(600)-13288
Stock number 6625-731-5716
I believe I have Googled and searched to the extent of my ability and can find nothing more than threads that it exits
Any help is sincerely appreciated.
An original manual to purchase would be perfect but at this point even a copy or link would help.
Keep em glowing!
Paul K0UYA

210. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 00:56:50 UTC
From: Carl
Topic: 206 Message: 210

Go here, register and then go to the Test Equipment forum and ask the question. Alan Douglas, who wrote the definitive book on tube testers, is a regular there.

http://antiqueradios.com/forums/index.php

Carl
KM1H

----- Original Message -----
From: "Paul Kraemer" <elespe@...>
To: <glowbugradio@yahoogroups.com>
Sent: Tuesday, November 11, 2008 6:49 PM
Subject: [glowbugradio] hickok tester

Group
I am desperately looking for a manual for a transistor tester made by Hickok for military.
This is a beautiful old unit---sort of like a TV-7 except for transistors
It is known as an 1890M
Built under AF contract AF 36(600)-13288
Stock number 6625-731-5716
I believe I have Googled and searched to the extent of my ability and can find nothing more than threads that it exits
Any help is sincerely appreciated.
An original manual to purchase would be perfect but at this point even a copy or link would help.
Keep em glowing!
Paul K0UYA

211. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 01:20:48 UTC
From: Carl
Topic: 206 Message: 211

Ive had good luck here in the past. If you get a security warning,
ignore and proceed. The site is safe.

https://www.logsa.army.mil/etms/index.cfm?fuseaction=viewsearchform&CFID=1410498&CFTOKEN=80fe8bb8ed50401f-688A2179-D11D-4A09-6BD8B8F0D90E73AD

Carl
KM1H
----- Original Message -----
From: <parkjv1@...>
To: <glowbugradio@yahoogroups.com>
Sent: Tuesday, November 11, 2008 7:55 PM
Subject: Re: [glowbugradio] hickok tester

> From what I can tell there is an entry out in web land where someone
> is looking for a manual as well.
>
> He indicated the following;
>
> Can't seem to find one thru the normal sources.
> Anyone have one out there?
>
> Marvin
>
> PS the manual also has a military
> version called: T.O. 33A1-3-206-1
>
> A searach of the T.O. number came up with this URL where you can
> request a quote for purchase.
>
> http://www.newportaero.com/home/manuals/technical_orders/browse/___109000/to.html?sort=part_number
>
>
> 73,
>
> John KF7KFT
>
>
> -------------- Original message --------------
> From: "Paul Kraemer" <elespe@...>
> Group
> I am desperately looking for a manual for a transistor tester made by
> Hickok for military.
> This is a beautiful old unit---sort of like a TV-7 except for
> transistors

> It is known as an 1890M
> Built under AF contract AF 36(600)-13288
> Stock number 6625-731-5716
> I believe I have Googled and searched to the extent of my ability and
> can find nothing more than threads that it exits
> Any help is sincerely appreciated.
> An original manual to purchase would be perfect but at this point even
> a copy or link would help.
> Keep em glowing!
> Paul K0UYA
>

212. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 01:52:14 UTC
From: Paul Kraemer
Topic: 206 Message: 212

Thanks Carl
Been there before could not find it
Paul K0UYA
----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 11, 2008 7:20 PM
Subject: Re: [glowbugradio] hickok tester

Ive had good luck here in the past. If you get a security warning,
ignore and proceed. The site is safe.

https://www.logsa.army.mil/etms/index.cfm?fuseaction=viewsearchform&CFID=1410498&CFTOKEN=80fe8bb8ed50401f-688A2179-D11D-4A09-6BD8B8F0D90E73AD

Carl
KM1H
----- Original Message -----
From: <parkjv1@...>
To: <glowbugradio@yahoogroups.com>
Sent: Tuesday, November 11, 2008 7:55 PM
Subject: Re: [glowbugradio] hickok tester

> From what I can tell there is an entry out in web land where someone
> is looking for a manual as well.
>
> He indicated the following;
>
> Can't seem to find one thru the normal sources.
> Anyone have one out there?
>
> Marvin
>
> PS the manual also has a military
> version called: T.O. 33A1-3-206-1
>
> A searach of the T.O. number came up with this URL where you can
> request a quote for purchase.
>
> http://www.newportaero.com/home/manuals/technical_orders/browse/___109000/to.html?sort=part_number
>
>
> 73,
>
> John KF7KFT

>
>
> -------------- Original message --------------
> From: "Paul Kraemer" <elespe@...>
> Group
> I am desperately looking for a manual for a transistor tester made by
> Hickok for military.
> This is a beautiful old unit---sort of like a TV-7 except for
> transistors
> It is known as an 1890M
> Built under AF contract AF 36(600)-13288
> Stock number 6625-731-5716
> I believe I have Googled and searched to the extent of my ability and
> can find nothing more than threads that it exits
> Any help is sincerely appreciated.
> An original manual to purchase would be perfect but at this point even
> a copy or link would help.
> Keep em glowing!
> Paul K0UYA
>

213. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 02:05:25 UTC
From: Paul Kraemer
Topic: 206 Message: 213

Thanks
Done
Paul
----- Original Message -----
From: "Carl" <km1h@...>
To: <glowbugradio@yahoogroups.com>
Sent: Tuesday, November 11, 2008 6:56 PM
Subject: Re: [glowbugradio] hickok tester

> Go here, register and then go to the Test Equipment forum and ask the
> question. Alan Douglas, who wrote the definitive book on tube testers,
> is a regular there.
>
> http://antiqueradios.com/forums/index.php
>
> Carl
> KM1H
>
>
> ----- Original Message -----
> From: "Paul Kraemer" <elespe@...>
> To: <glowbugradio@yahoogroups.com>
> Sent: Tuesday, November 11, 2008 6:49 PM
> Subject: [glowbugradio] hickok tester
>
>
> Group
> I am desperately looking for a manual for a transistor tester made by
> Hickok for military.
> This is a beautiful old unit---sort of like a TV-7 except for
> transistors
> It is known as an 1890M
> Built under AF contract AF 36(600)-13288
> Stock number 6625-731-5716
> I believe I have Googled and searched to the extent of my ability and
> can find nothing more than threads that it exits
> Any help is sincerely appreciated.
> An original manual to purchase would be perfect but at this point even a
> copy or link would help.
> Keep em glowing!
> Paul K0UYA
>
>
> ------------------------------------
>

> Yahoo! Groups Links
>
>
>
>

214. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 02:06:20 UTC
From: Paul Kraemer
Topic: 206 Message: 214

Thanks
Looks like one I already tried
Paul
----- Original Message -----
From: parkjv1@...
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 11, 2008 6:55 PM
Subject: Re: [glowbugradio] hickok tester

From what I can tell there is an entry out in web land where someone is looking for a manual as well.

He indicated the following;

Can't seem to find one thru the normal sources.
Anyone have one out there?

Marvin

PS the manual also has a military
version called: T.O. 33A1-3-206-1

A searach of the T.O. number came up with this URL where you can request a quote for purchase.

http://www.newportaero.com/home/manuals/technical_orders/browse/___109000/to.html?sort=part_number

73,

John KF7KFT

-------------- Original message --------------
From: "Paul Kraemer" <elespe@...>

Group
I am desperately looking for a manual for a transistor tester made by Hickok for military.
This is a beautiful old unit---sort of like a TV-7 except for transistors
It is known as an 1890M
Built under AF contract AF 36(600)-13288
Stock number 6625-731-5716
I believe I have Googled and searched to the extent of my ability and can find nothing more than threads that it exits
Any help is sincerely appreciated.
An original manual to purchase would be perfect but at this point even a copy or link would help.
Keep em glowing!
Paul K0UYA

215. Re: [glowbugradio] hickok tester

Yahoo group: glowbugradio
Date: 2008-11-12 02:10:23 UTC
From: Paul Kraemer
Topic: 206 Message: 215

Don't think so. There was a model 890, a civilian affair, probably good but not same animal
Paul
----- Original Message -----
From: parkjv1@comcast.net
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 11, 2008 6:43 PM
Subject: Re: [glowbugradio] hickok tester

Not knowing that much about Hickok equipment could this be it?

http://cgi.ebay.com/HICKOK-890-Transistor-Tester-Operating-Manual-Original_W0QQitemZ280244907627QQcmdZViewItemQQptZBI_Books_Manuals?_trksid=p3286.m20.l1116#ebayphotohosting

John KD7KFT

-------------- Original message --------------
From: "Paul Kraemer" <elespe@...>

Group
I am desperately looking for a manual for a transistor tester made by Hickok for military.
This is a beautiful old unit---sort of like a TV-7 except for transistors
It is known as an 1890M
Built under AF contract AF 36(600)-13288
Stock number 6625-731-5716
I believe I have Googled and searched to the extent of my ability and can find nothing more than threads that it exits
Any help is sincerely appreciated.
An original manual to purchase would be perfect but at this point even a copy or link would help.
Keep em glowing!
Paul K0UYA

216. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2008-11-20 18:18:21 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 216

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/NC-240D Mods Orr CQ Nov 1957a.pdf
Uploaded by : billcotter <n4lg@...>
Description : NC-240D Mods Orr CQ Nov 1957 RF amp HFO etc

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/Technical/NC-240D%20Mods%20Orr%20CQ%20Nov%201957a.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

billcotter <n4lg@...>

217. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2008-11-21 00:40:21 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 217

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/HQ-129X Receiver Improvements.pdf
Uploaded by : geoff8122 <km1h@...>
Description : HQ-129X Mixer and other mods

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/Technical/HQ-129X%20Receiver%20Improvements.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

geoff8122 <km1h@...>

218. 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 03:20:17 UTC
From: John Ruccolo
Topic: 150 Message: 218

Hello glowbugs,

Does anyone know if there is a national 2-meter calling frequency? (I assume simplex, of course). I recently was re-licensed, and also recently bought a Polycom 2 rig that I think would be much fun to put on the air. Any suggestions?

Regards,

John, KC2UAK

PS -- Bill N4LG -- thanks for the NC-240 article. I am proud to say that I own one of these fine receivers. Bill Orr was great -- I will upload his classic 1971 CQ article on the National SW-3 if anyone is interested.

--- On Thu, 11/20/08, glowbugradio@yahoogroups.com <glowbugradio@yahoogroups.com> wrote:

From: glowbugradio@yahoogroups.com <glowbugradio@yahoogroups.com>
Subject: [glowbugradio] New file uploaded to glowbugradio
To: glowbugradio@yahoogroups.com
Date: Thursday, November 20, 2008, 1:18 PM

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/NC- 240D Mods Orr CQ Nov 1957a.pdf
Uploaded by : billcotter <n4lg@...>
Description : NC-240D Mods Orr CQ Nov 1957 RF amp HFO etc

You can access this file at the URL:
http://groups. yahoo.com/ group/glowbugrad io/files/ Technical/ NC-240D%20Mods%
20Orr%20CQ% 20Nov%201957a. pdf

To learn more about file sharing for your group, please visit:
http://help. yahoo.com/ l/us/yahoo/ groups/original/ members/web/ index.htmlfiles

Regards,

billcotter <n4lg@qx.net>

219. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 03:38:32 UTC
From: Bob Macklin
Topic: 150 Message: 219

Until the last bandplan change the 2M AM calling frequency was 144.400.

When I move to my present location in 2003 there was 2M AM activity on 144.400 and 6M AM on 50.400.

Bob Macklin
K5MYJ
Kent (Seattle), Wa,
"Real Radios Glow in the Dark"

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, November 20, 2008 7:20 PM
Subject: [glowbugradio] 2-meter *AM* calling frequency?

Hello glowbugs,

Does anyone know if there is a national 2-meter calling frequency? (I assume simplex, of course). I recently was re-licensed, and also recently bought a Polycom 2 rig that I think would be much fun to put on the air. Any suggestions?

Regards,

John, KC2UAK

PS -- Bill N4LG -- thanks for the NC-240 article. I am proud to say that I own one of these fine receivers. Bill Orr was great -- I will upload his classic 1971 CQ article on the National SW-3 if anyone is interested.

--- On Thu, 11/20/08, glowbugradio@yahoogroups.com <glowbugradio@yahoogroups.com> wrote:

From: glowbugradio@yahoogroups.com <glowbugradio@yahoogroups.com>
Subject: [glowbugradio] New file uploaded to glowbugradio
To: glowbugradio@yahoogroups.com
Date: Thursday, November 20, 2008, 1:18 PM

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/NC- 240D Mods Orr CQ Nov 1957a.pdf
Uploaded by : billcotter <n4lg@...>
Description : NC-240D Mods Orr CQ Nov 1957 RF amp HFO etc

You can access this file at the URL:
http://groups. yahoo.com/ group/glowbugrad io/files/ Technical/ NC-240D%20Mods%
20Orr%20CQ% 20Nov%201957a. pdf

To learn more about file sharing for your group, please visit:
http://help. yahoo.com/ l/us/yahoo/ groups/original/ members/web/ index.htmlfiles

Regards,

billcotter <n4lg@...>

220. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 03:39:36 UTC
From: Carl
Topic: 150 Message: 220

John, good articles are always welcome, that section is only a 4% of capacity so there is a long ways to go before limits have to be set.

The conventonal 2M AM frequency is 144.4 but its not a given everywhere. Activity is low so you might have to try at different times like 6-9AM on weekends by leaving the radio on 24/7 !

I use a Clegg Zeus and Interceptor on 6/2 but havent too active of late.

Carl
KM1H
----- Original Message -----
From: "John Ruccolo" <jr6v6gt@...>
To: <glowbugradio@yahoogroups.com>
Sent: Thursday, November 20, 2008 10:20 PM
Subject: [glowbugradio] 2-meter *AM* calling frequency?

Hello glowbugs,

Does anyone know if there is a national 2-meter calling frequency? (I assume simplex, of course). I recently was re-licensed, and also recently bought a Polycom 2 rig that I think would be much fun to put on the air. Any suggestions?

Regards,

John, KC2UAK

PS -- Bill N4LG -- thanks for the NC-240 article. I am proud to say that I own one of these fine receivers. Bill Orr was great -- I will upload his classic 1971 CQ article on the National SW-3 if anyone is interested.

--- On Thu, 11/20/08, glowbugradio@yahoogroups.com <glowbugradio@yahoogroups.com> wrote:

From: glowbugradio@yahoogroups.com <glowbugradio@yahoogroups.com>
Subject: [glowbugradio] New file uploaded to glowbugradio
To: glowbugradio@yahoogroups.com
Date: Thursday, November 20, 2008, 1:18 PM

Hello,

This email message is a notification to let you know that a file has been uploaded to the Files area of the glowbugradio group.

File : /Technical/NC- 240D Mods Orr CQ Nov 1957a.pdf
Uploaded by : billcotter <n4lg@...>
Description : NC-240D Mods Orr CQ Nov 1957 RF amp HFO etc

You can access this file at the URL:
http://groups. yahoo.com/ group/glowbugrad io/files/ Technical/
NC-240D%20Mods% 20Orr%20CQ% 20Nov%201957a. pdf

To learn more about file sharing for your group, please visit:
http://help. yahoo.com/ l/us/yahoo/ groups/original/ members/web/
index.htmlfiles

Regards,

billcotter <n4lg@...>

221. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 03:48:50 UTC
From: Bob Macklin
Topic: 150 Message: 221

I have been unsuccessful in coning some other in the South Seattle area to playing wit 2M AM.

Even the 2M SSB group is a lost cause to me. The only operate twice a week, generally for about 1/2H. I guess they just check into their net to see if their rigs still work and then go back to the BOOB TOOB or play in the internet.

Bob Macklin
K5MYJ
Kent (Seattle), Wa,
"Real Radios Glow in the Dark"

----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Thursday, November 20, 2008 7:39 PM
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?

John, good articles are always welcome, that section is only a 4% of capacity so there is a long ways to go before limits have to be set.

The conventonal 2M AM frequency is 144.4 but its not a given everywhere. Activity is low so you might have to try at different times like 6-9AM on weekends by leaving the radio on 24/7 !

I use a Clegg Zeus and Interceptor on 6/2 but havent too active of late.

Carl
KM1H
----- Original Message -----
From: "John Ruccolo" <jr6v6gt@...>
To: <glowbugradio@yahoogroups.com>
Sent: Thursday, November 20, 2008 10:20 PM
Subject: [glowbugradio] 2-meter *AM* calling frequency?

Hello glowbugs,

Does anyone know if there is a national 2-meter calling frequency? (I assume simplex, of course). I recently was re-licensed, and also recently bought a Polycom 2 rig that I think would be much fun to put on the air. Any suggestions?

Regards,

John, KC2UAK

PS -- Bill N4LG -- thanks for the NC-240 article. I am proud to say that I own one of these fine receivers. Bill Orr was great -- I will upload

his classic 1971 CQ article on the National SW-3 if anyone is interested.

--- On Thu, 11/20/08, glowbugradio@yahoogroups.com <glowbugradio@yahoogroups.com> wrote:

From: glowbugradio@yahoogroups.com <glowbugradio@yahoogroups.com>
Subject: [glowbugradio] New file uploaded to glowbugradio
To: glowbugradio@yahoogroups.com
Date: Thursday, November 20, 2008, 1:18 PM

Hello,

This email message is a notification to let you know that a file has been uploaded to the Files area of the glowbugradio group.

File : /Technical/NC- 240D Mods Orr CQ Nov 1957a.pdf
Uploaded by : billcotter <n4lg@...>
Description : NC-240D Mods Orr CQ Nov 1957 RF amp HFO etc

You can access this file at the URL:
http://groups. yahoo.com/ group/glowbugrad io/files/ Technical/ NC-240D%20Mods% 20Orr%20CQ% 20Nov%201957a. pdf

To learn more about file sharing for your group, please visit:
http://help. yahoo.com/ l/us/yahoo/ groups/original/ members/web/ index.htmlfiles

Regards,

billcotter <n4lg@...>

222. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 04:20:31 UTC
From: Glen Zook
Topic: 150 Message: 222

The problem with 144.400 MHz is the FM APRS operations on 144.390 MHz. Most of the old 2-meter FM equipment have such broad receivers that the 144.390 MHz signal comes right through. Therefore, 144.350 MHz has become accepted as the 2-meter AM calling frequency in many areas.

Now 50.400 MHz has been the accepted 6-meter AM calling frequency for going on 60 years.

Glen, K9STH

Website: http://k9sth.com

--- On Thu, 11/20/08, Bob Macklin <macklinbob@...> wrote:
From: Bob Macklin <macklinbob@...>
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?
To: glowbugradio@yahoogroups.com
Date: Thursday, November 20, 2008, 9:38 PM

Until the last bandplan change the 2M AM calling frequency
was 144.400.

When I move to my present location in 2003 there was 2M AM
activity on 144.400 and 6M AM on 50.400.

223. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 04:23:04 UTC
From: Bob Macklin
Topic: 150 Message: 223

Here in the Seattle area there does not seem to be any activity around 144.400.

Bob Macklin
K5MYJ
Kent (Seattle), Wa,
"Real Radios Glow in the Dark"

----- Original Message -----
From: Glen Zook
To: glowbugradio@yahoogroups.com
Sent: Thursday, November 20, 2008 8:20 PM
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?

The problem with 144.400 MHz is the FM APRS operations on 144.390 MHz. Most of the old 2-meter FM equipment have such broad receivers that the 144.390 MHz signal comes right through. Therefore, 144.350 MHz has become accepted as the 2-meter AM calling frequency in many areas.

Now 50.400 MHz has been the accepted 6-meter AM calling frequency for going on 60 years.

Glen, K9STH

Website: http://k9sth.com

--- On Thu, 11/20/08, Bob Macklin <macklinbob@...> wrote:

From: Bob Macklin <macklinbob@msn.com>
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?
To: glowbugradio@yahoogroups.com
Date: Thursday, November 20, 2008, 9:38 PM

Until the last bandplan change the 2M AM calling frequency was 144.400.

When I move to my present location in 2003 there was 2M AM activity on 144.400 and 6M AM on 50.400.

224. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 13:20:02 UTC
From: John Ruccolo
Topic: 150 Message: 224

Thanks to all for the info -- I'll give 144.4 (and 144,35) a try.

73,

John KC2UAK

--- On Thu, 11/20/08, Glen Zook <gzook@...> wrote:

From: Glen Zook <gzook@...>
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?
To: glowbugradio@yahoogroups.com
Date: Thursday, November 20, 2008, 11:20 PM

The problem with 144.400 MHz is the FM APRS operations on 144.390 MHz. Most of the old 2-meter FM equipment have such broad receivers that the 144.390 MHz signal comes right through. Therefore, 144.350 MHz has become accepted as the 2-meter AM calling frequency in many areas.

Now 50.400 MHz has been the accepted 6-meter AM calling frequency for going on 60 years.

Glen, K9STH

Website: http://k9sth. com

--- On Thu, 11/20/08, Bob Macklin <macklinbob@msn. com> wrote:

From: Bob Macklin <macklinbob@msn. com>
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?
To: glowbugradio@ yahoogroups. com
Date: Thursday, November 20, 2008, 9:38 PM

Until the last bandplan change the 2M AM calling frequency was 144.400.

When I move to my present location in 2003 there was 2M AM activity on 144.400 and 6M AM on 50.400.

225. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 14:47:30 UTC
From: Bob Macklin
Topic: 150 Message: 225

Unless you can locate some other fans in your area you will probably be lonesome!

Bob Macklin
K5MYJ
Kent (Seattle), Wa,
"Real Radios Glow in the Dark"

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Friday, November 21, 2008 5:20 AM
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?

Thanks to all for the info -- I'll give 144.4 (and 144,35) a try.

73,

John KC2UAK

--- On Thu, 11/20/08, Glen Zook <gzook@...> wrote:

From: Glen Zook <gzook@...>
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?
To: glowbugradio@yahoogroups.com
Date: Thursday, November 20, 2008, 11:20 PM

The problem with 144.400 MHz is the FM APRS operations on 144.390 MHz. Most of the old 2-meter FM equipment have such broad receivers that the 144.390 MHz signal comes right through. Therefore, 144.350 MHz has become accepted as the 2-meter AM calling frequency in many areas.

Now 50.400 MHz has been the accepted 6-meter AM calling frequency for going on 60 years.

Glen, K9STH

Website: http://k9sth. com

--- On Thu, 11/20/08, Bob Macklin <macklinbob@msn. com> wrote:

From: Bob Macklin <macklinbob@msn. com>
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?
To: glowbugradio@ yahoogroups. com
Date: Thursday, November 20, 2008, 9:38 PM

Until the last bandplan change the 2M AM calling frequency was 144.400.

When I move to my present location in 2003 there was 2M AM activity on 144.400 and 6M AM on 50.400.

226. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 15:51:17 UTC
From: Glen Zook
Topic: 150 Message: 226

I can always talk to myself using my Gonset Communicator I, Gonset Communicator IV, and my Heath Seneca, Mohawk, and XC-2. :>)

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 11/21/08, Bob Macklin <macklinbob@msn.com> wrote:
From: Bob Macklin <macklinbob@...>

Unless you can locate some other fans in your area you
will probably be lonesome!

227. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 16:01:15 UTC
From: Carl
Topic: 150 Message: 227

Im not gonna touch that one.....

Carl

----- Original Message -----
From: "Glen Zook" <gzook@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, November 21, 2008 10:51 AM
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?

I can always talk to myself using my Gonset Communicator I, Gonset Communicator IV, and my Heath Seneca, Mohawk, and XC-2. :>)

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 11/21/08, Bob Macklin <macklinbob@...> wrote:
From: Bob Macklin <macklinbob@...>

Unless you can locate some other fans in your area you
will probably be lonesome!

228. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 16:12:44 UTC
From: Bob Macklin
Topic: 150 Message: 228

That's about what I did with my Pawnee, Shawnee, and HW-17.

I was able to listen to the local 2M SSB group on the Pawnee. And during one ARRL VHF contests I did hear a local on 6M SSB.

I was also able to listen to the local FM repeaters on both the Pawnee and Shawnee.

I got frustrated and sold them a couple of years ago. Not real interest in VHF AM in my area.

Bob Macklin
K5MYJ
Kent (Seattle), Wa,
"Real Radios Glow in the Dark"

----- Original Message -----
From: Glen Zook
To: glowbugradio@yahoogroups.com
Sent: Friday, November 21, 2008 7:51 AM
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?

I can always talk to myself using my Gonset Communicator I, Gonset Communicator IV, and my Heath Seneca, Mohawk, and XC-2. :>)

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 11/21/08, Bob Macklin <macklinbob@...> wrote:

From: Bob Macklin <macklinbob@...>

Unless you can locate some other fans in your area you will probably be lonesome!

229. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 17:09:49 UTC
From: w7qho
Topic: 150 Message: 229

On Nov 21, 2008, at 6:47:30 AM, "Bob Macklin" <macklinbob@...> wrote:
Unless you can locate some other fans in your area you will probably be lonesome!

Same problem out here in the Los Angeles area but recently had an ARC-1, ARC-3 and a Halli SR-42 talking to each other on 144.450 at a MRCG meet at Ft. MacArthur.

Weekly net on 144.450 over in Phoenix, AZ .
--
Dennis D. W7QHO
Glendale, CA

230. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 17:25:21 UTC
From: Bob Macklin
Topic: 150 Message: 230

There is a VHF AM Yahoo group. But I did not have any luck there.

The people I was aware of here were people that were using the older tube gear.

----- Original Message -----
From: w7qho
To: glowbugradio@yahoogroups.com ; glowbugradio@yahoogroups.com
Sent: Friday, November 21, 2008 9:09 AM
Subject: Re: [glowbugradio] 2-meter *AM* calling frequency?

On Nov 21, 2008, at 6:47:30 AM, "Bob Macklin" <macklinbob@...> wrote:

Unless you can locate some other fans in your area you will probably be lonesome!

Same problem out here in the Los Angeles area but recently had an ARC-1, ARC-3 and a Halli SR-42 talking to each other on 144.450 at a MRCG meet at Ft. MacArthur.

Weekly net on 144.450 over in Phoenix, AZ .
--

Dennis D. W7QHO
Glendale, CA

231. Re: [glowbugradio] 2-meter *AM* calling frequency?

Yahoo group: glowbugradio
Date: 2008-11-21 18:31:35 UTC
From: rbethman
Topic: 150 Message: 231

I got out of 2M AM around 1993-1994. I has a Gonset Sidewinder.

Just nobody to talk to there. No sense maintaining another radio.

Bob - N0DGN

> ._,___ <!-- #ygrp-mkp{ border: 1px solid #d8d8d8; font-family: Arial;
> margin: 14px 0px; padding: 0px 14px; } #ygrp-mkp hr{ border: 1px solid
> #d8d8d8; } #ygrp-mkp #hd{ color: #628c2a; font-size: 85%; font-weight:
> bold; line-height: 122%; margin: 10px 0px; } #ygrp-mkp #ads{
> margin-bottom: 10px; } #ygrp-mkp .ad{ padding: 0 0; } #ygrp-mkp .ad a{
> color: #0000ff; text-decoration: none; } --> <!-- #ygrp-sponsor
> #ygrp-lc{ font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd{ margin:
> 10px 0px; font-weight: bold; font-size: 78%; line-height: 122%; }
> #ygrp-sponsor #ygrp-lc .ad{ margin-bottom: 10px; padding: 0 0; } -->
> <!-- #ygrp-mlmsg {font-size:13px; font-family:
> arial,helvetica,clean,sans-serif;*font-size:small;*font:x-small;}
> #ygrp-mlmsg table {font-size:inherit;font:100%;} #ygrp-mlmsg select,
> input, textarea {font:99% arial,helvetica,clean,sans-serif;}
> #ygrp-mlmsg pre, code {font:115% monospace;*font-size:100%;}
> #ygrp-mlmsg * {line-height:1.22em;} #ygrp-text{ font-family: Georgia;
> } #ygrp-text p{ margin: 0 0 1em 0; } #ygrp-tpmsgs{ font-family: Arial;
> clear: both; } #ygrp-vitnav{ padding-top: 10px; font-family: Verdana;
> font-size: 77%; margin: 0; } #ygrp-vitnav a{ padding: 0 1px; }
> #ygrp-actbar{ clear: both; margin: 25px 0; white-space:nowrap; color:
> #666; text-align: right; } #ygrp-actbar .left{ float: left;
> white-space:nowrap; } .bld{font-weight:bold;} #ygrp-grft{ font-family:
> Verdana; font-size: 77%; padding: 15px 0; } #ygrp-ft{ font-family:
> verdana; font-size: 77%; border-top: 1px solid #666; padding: 5px 0; }
> #ygrp-mlmsg #logo{ padding-bottom: 10px; } #ygrp-reco { margin-bottom:
> 20px; padding: 0px; } #ygrp-reco #reco-head { font-weight: bold;
> color: #ff7900; } #reco-grpname{ font-weight: bold; margin-top: 10px;
> } #reco-category{ font-size: 77%; } #reco-desc{ font-size: 77%; }
> #ygrp-vital{ background-color: #e0ecee; margin-bottom: 20px; padding:
> 2px 0 8px 8px; } #ygrp-vital #vithd{ font-size: 77%; font-family:
> Verdana; font-weight: bold; color: #333; text-transform: uppercase; }
> #ygrp-vital ul{ padding: 0; margin: 2px 0; } #ygrp-vital ul li{
> list-style-type: none; clear: both; border: 1px solid #e0ecee; }
> #ygrp-vital ul li .ct{ font-weight: bold; color: #ff7900; float:
> right; width: 2em; text-align:right; padding-right: .5em; }
> #ygrp-vital ul li .cat{ font-weight: bold; } #ygrp-vital a{
> text-decoration: none; } #ygrp-vital a:hover{ text-decoration:
> underline; } #ygrp-sponsor #hd{ color: #999; font-size: 77%; }
> #ygrp-sponsor #ov{ padding: 6px 13px; background-color: #e0ecee;
> margin-bottom: 20px; } #ygrp-sponsor #ov ul{ padding: 0 0 0 8px;
> margin: 0; } #ygrp-sponsor #ov li{ list-style-type: square; padding:

```
> 6px 0; font-size: 77%; } #ygrp-sponsor #ov li a{ text-decoration:
> none; font-size: 130%; } #ygrp-sponsor #nc{ background-color: #eee;
> margin-bottom: 20px; padding: 0 8px; } #ygrp-sponsor .ad{ padding: 8px
> 0; } #ygrp-sponsor .ad #hd1{ font-family: Arial; font-weight: bold;
> color: #628c2a; font-size: 100%; line-height: 122%; } #ygrp-sponsor
> .ad a{ text-decoration: none; } #ygrp-sponsor .ad a:hover{
> text-decoration: underline; } #ygrp-sponsor .ad p{ margin: 0; }
> o{font-size: 0; } .MsoNormal{ margin: 0 0 0 0; } #ygrp-text tt{
> font-size: 120%; } blockquote{margin: 0 0 0 4px;} .replbq{margin:4} -->

--
Bob - N?DGN
```

232. 200 VDC power supply wanted

Yahoo group: glowbugradio
Date: 2008-11-26 20:57:43 UTC
From: Jim Isbell, W5JAI
Topic: 232 Message: 232

I recently posted that I needed a 200VDC power supply capable of 200 ma. I found one. But now I need another one for a friend of mine. Anyone have anything close that they want to get rid of at a decent price?

--
Jim Isbell
"If you are not living on the edge, well then,
you are just taking up too much space."

233. WTB: RF Probe for Hickok 209A VTVM

Yahoo group: glowbugradio
Date: 2008-12-03 16:25:45 UTC
From: Carl
Topic: 233 Message: 233

Anybody have one to sell?

Carl

234. Re: [glowbugradio] WTB: RF Probe for Hickok 209A VTVM

Yahoo group: glowbugradio
Date: 2008-12-03 17:45:12 UTC
From: Rod Hogg
Topic: 233 Message: 234

Carl. I will have to do some digging. I may still have a spare assy.
I will check this weekend.

I think you can use one from an HP-410B or an RD Instruments 1600B.

Rod
K0EQH

--- On Wed, 12/3/08, Carl <km1h@jeremy.mv.com> wrote:

From: Carl <km1h@...>
Subject: [glowbugradio] WTB: RF Probe for Hickok 209A VTVM
To: glowbugradio@yahoogroups.com
Date: Wednesday, December 3, 2008, 10:25 AM

Anybody have one to sell?

Carl

235. Re: [glowbugradio] WTB: RF Probe for Hickok 209A VTVM

Yahoo group: glowbugradio
Date: 2008-12-03 18:28:09 UTC
From: Carl
Topic: 233 Message: 235

Thanks, please get back to me one way or the other.

Carl

----- Original Message -----
From: "Rod Hogg" <radio1rod@...>
To: <glowbugradio@yahoogroups.com>
Cc: "Carl" <km1h@...>
Sent: Wednesday, December 03, 2008 12:45 PM
Subject: Re: [glowbugradio] WTB: RF Probe for Hickok 209A VTVM

Carl. I will have to do some digging. I may still have a spare assy.
I will check this weekend.

I think you can use one from an HP-410B or an RD Instruments 1600B.

Rod
K0EQH

--- On Wed, 12/3/08, Carl <km1h@...> wrote:

From: Carl <km1h@...>
Subject: [glowbugradio] WTB: RF Probe for Hickok 209A VTVM
To: glowbugradio@yahoogroups.com
Date: Wednesday, December 3, 2008, 10:25 AM

Anybody have one to sell?

Carl

236. Re: [glowbugradio] WTB: RF Probe for Hickok 209A VTVM

Yahoo group: glowbugradio
Date: 2008-12-04 13:25:23 UTC
From: Jim
Topic: 233 Message: 236

Carl,

I'll bet you're trying to find a vintage and matching RF probe for this unit, but if you just need a VTVM-matched RF probe, there's plans in the older ARRL handbooks for an RF probe that's pre-matched for 11 Megohm input VTVMs.

Pretty simple and based around a 1N34 or similar germanium diode and a small handful of other parts.

N6OTQ

--- On Wed, 12/3/08, Carl <km1h@...> wrote:

> Anybody have one to sell?

237. Re: [glowbugradio] WTB: RF Probe for Hickok 209A VTVM

Yahoo group: glowbugradio
Date: 2008-12-04 14:32:44 UTC
From: Carl
Topic: 233 Message: 237

Id like an original if possible Jim and then I can take it from there as far as calibration. This will only be used up to 30 mHz on the boatanchor bench but I do need accurate readings. If I have to homebrew I'll use either the 6AL5 as did Hickok or a submini as another suggested.

Carl

----- Original Message -----
From: "Jim" <n6otq@...>
To: <glowbugradio@yahoogroups.com>
Sent: Thursday, December 04, 2008 8:25 AM
Subject: Re: [glowbugradio] WTB: RF Probe for Hickok 209A VTVM

> Carl,
>
> I'll bet you're trying to find a vintage and matching RF probe for
> this unit, but if you just need a VTVM-matched RF probe, there's plans
> in the older ARRL handbooks for an RF probe that's pre-matched for 11
> Megohm input VTVMs.
>
> Pretty simple and based around a 1N34 or similar germanium diode and a
> small handful of other parts.
>
> N6OTQ
>
> --- On Wed, 12/3/08, Carl <km1h@...> wrote:
>
>> Anybody have one to sell?
>
>
>
>
>

238. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 16:05:05 UTC
From: K0DAN
Topic: 238 Message: 238

I know this topic pops up every year...

I have a friend who's cleaning up some estate radios which were in a smoking environment (the operator, not the radio). He's found tips on how to clean up, but contradictory advice (warm soapy water, Windex, Fantasic, alcohol, etc., etc.).

Do any of these prior messages exist in an archives section?

Tnx es 73
Dan

239. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 17:15:31 UTC
From: Jim
Topic: 238 Message: 239

Those solutions are not really contradictory if you look at what's in Windex or Fantastick.

I'm sure there are old messages about de-stinking old smoked-on radios. The best I've ever found was to put the radio in a plastic trash bag with a dryer sheet for the weekend while you decide how to clean it. That's nearly free, and kills 99% of the smoke odor in one treatment.

Jim N6OTQ

--- On Sun, 12/7/08, K0DAN <k0dan@...> wrote:

> I know this topic pops up every year...
>
> I have a friend who's cleaning up some estate radios
> which were in a smoking
> environment (the operator, not the radio). He's found
> tips on how to clean
> up, but contradictory advice (warm soapy water, Windex,
> Fantasic, alcohol,
> etc., etc.).
>
> Do any of these prior messages exist in an archives
> section?
>
> Tnx es 73
> Dan

240. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 17:31:42 UTC
From: Bob Macklin
Topic: 238 Message: 240

I got the nicotine stain off a couple of microphones with acetone.

Bob Macklin
K5MYJ
Kent (Seattle), Wa,
"Real Radios Glow in the Dark"

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Sunday, December 07, 2008 9:15 AM
Subject: Re: [glowbugradio] CLEANING OLD RADIOS

Those solutions are not really contradictory if you look at what's in Windex or Fantastick.

I'm sure there are old messages about de-stinking old smoked-on radios. The best I've ever found was to put the radio in a plastic trash bag with a dryer sheet for the weekend while you decide how to clean it. That's nearly free, and kills 99% of the smoke odor in one treatment.

Jim N6OTQ

--- On Sun, 12/7/08, K0DAN <k0dan@...t> wrote:

> I know this topic pops up every year...
>
> I have a friend who's cleaning up some estate radios
> which were in a smoking
> environment (the operator, not the radio). He's found
> tips on how to clean
> up, but contradictory advice (warm soapy water, Windex,
> Fantasic, alcohol,
> etc., etc.).
>
> Do any of these prior messages exist in an archives
> section?
>
> Tnx es 73
> Dan

241. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 17:32:02 UTC
From: K0DAN
Topic: 238 Message: 241

Thanks Jim! Will forward to the ham who's doing the cleaning!@

73
Dan
K0DAN

----- Original Message -----
From: "Jim" <n6otq@...>
To: <glowbugradio@yahoogroups.com>
Sent: Sunday, December 07, 2008 11:15 AM
Subject: Re: [glowbugradio] CLEANING OLD RADIOS

> Those solutions are not really contradictory if you look at what's in
> Windex or Fantastick.
>
> I'm sure there are old messages about de-stinking old smoked-on radios.
> The best I've ever found was to put the radio in a plastic trash bag with
> a dryer sheet for the weekend while you decide how to clean it. That's
> nearly free, and kills 99% of the smoke odor in one treatment.
>
> Jim N6OTQ
>
>
> --- On Sun, 12/7/08, K0DAN <k0dan@...> wrote:
>
>> I know this topic pops up every year...
>>
>> I have a friend who's cleaning up some estate radios
>> which were in a smoking
>> environment (the operator, not the radio). He's found
>> tips on how to clean
>> up, but contradictory advice (warm soapy water, Windex,
>> Fantasic, alcohol,
>> etc., etc.).
>>
>> Do any of these prior messages exist in an archives
>> section?
>>
>> Tnx es 73
>> Dan
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> ------------------------------------
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> Yahoo! Groups Links
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242. RE: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 17:34:37 UTC
From: D C *Mac* Macdonald
Topic: 238 Message: 242

Acetone will DISSOLVE many, if not most plastics!!!

73 - Mac, K2GKK/5
Oklahoma City, OK * In my many years, I have come to the conclusion that one useless * * man is a shame, two is a law firm and three or more is Congress. * * -- John Adams (1735-1826) *

To: glowbugradio@yahoogroups.comFrom: macklinbob@...: Sun, 7 Dec 2008 09:31:42 -0800Subject: Re: [glowbugradio] CLEANING OLD RADIOS

I got the nicotine stain off a couple of microphones with acetone.

Bob MacklinK5MYJKent (Seattle), Wa,"Real Radios Glow in the Dark"

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Sunday, December 07, 2008 9:15 AM
Subject: Re: [glowbugradio] CLEANING OLD RADIOS

Those solutions are not really contradictory if you look at what's in Windex or Fantastick.I'm sure there are old messages about de-stinking old smoked-on radios. The best I've ever found was to put the radio in a plastic trash bag with a dryer sheet for the weekend while you decide how to clean it. That's nearly free, and kills 99% of the smoke odor in one treatment.Jim N6OTQ--- On Sun, 12/7/08, K0DAN <k0dan@comcast.net> wrote:> I know this topic pops up every year...> > I have a friend who's cleaning up some estate radios> which were in a smoking > environment (the operator, not the radio). He's found> tips on how to clean > up, but contradictory advice (warm soapy water, Windex,> Fantasic, alcohol, > etc., etc.).> > Do any of these prior messages exist in an archives> section?> > Tnx es 73> Dan

243. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 17:37:29 UTC
From: Jim
Topic: 238 Message: 243

I recommend starting with solvents that aren't as "hot" as acetone, like isopropyl alcohol, or 40% ethanol (vodka).

jim N6OTQ

--- On Sun, 12/7/08, Bob Macklin <macklinbob@...> wrote:

> I got the nicotine stain off a couple of microphones with
> acetone.

244. RE: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 17:39:47 UTC
From: Tidak Ada
Topic: 238 Message: 244

Be carefull with acetone applying to thermoplasts!! It will dissolved or
etched.
In general thermo hardeners (bakelite; Philite?) will be safe

eric

-----Oorspronkelijk bericht-----
Van: glowbugradio@yahoogroups.com
[mailto:glowbugradio@yahoogroups.com]Namens K0DAN
Verzonden: zondag 7 december 2008 18:32
Aan: glowbugradio@yahoogroups.com
Onderwerp: Re: [glowbugradio] CLEANING OLD RADIOS

Thanks Jim! Will forward to the ham who's doing the cleaning!@

73
Dan
K0DAN

----- Original Message -----
From: "Jim" <n6otq@...>
To: <glowbugradio@yahoogroups.com>
Sent: Sunday, December 07, 2008 11:15 AM
Subject: Re: [glowbugradio] CLEANING OLD RADIOS

> Those solutions are not really contradictory if you look at what's in
> Windex or Fantastick.
>
> I'm sure there are old messages about de-stinking old smoked-on radios.
> The best I've ever found was to put the radio in a plastic trash bag
with
> a dryer sheet for the weekend while you decide how to clean it. That's
> nearly free, and kills 99% of the smoke odor in one treatment.
>
> Jim N6OTQ
>
>
> --- On Sun, 12/7/08, K0DAN <k0dan@...> wrote:
>
>> I know this topic pops up every year...
>>
>> I have a friend who's cleaning up some estate radios
>> which were in a smoking
>> environment (the operator, not the radio). He's found
>> tips on how to clean
>> up, but contradictory advice (warm soapy water, Windex,

>> Fantasic, alcohol,
>> etc., etc.).
>>
>> Do any of these prior messages exist in an archives
>> section?
>>
>> Tnx es 73
>> Dan
>
>
>
>
> ---
>
> Yahoo! Groups Links
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>

245. RE: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 17:42:35 UTC
From: Tidak Ada
Topic: 238 Message: 245

Cleaning benzine is quite safe.
Also a good solvent to remove stickers

eric

-----Oorspronkelijk bericht-----
Van: glowbugradio@yahoogroups.com
[mailto:glowbugradio@yahoogroups.com]Namens Jim
Verzonden: zondag 7 december 2008 18:37
Aan: glowbugradio@yahoogroups.com
Onderwerp: Re: [glowbugradio] CLEANING OLD RADIOS

I recommend starting with solvents that aren't as "hot" as acetone, like
isopropyl alcohol, or 40% ethanol (vodka).

jim N6OTQ

--- On Sun, 12/7/08, Bob Macklin <macklinbob@...> wrote:

> I got the nicotine stain off a couple of microphones with
> acetone.

246. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 17:42:24 UTC
From: Bob Macklin
Topic: 238 Message: 246

Acetone works OK as long as only metals are involved.

You can soak a tuning capacitor in acetone or lacquer thinner to loosen hardened grease.

Bob
K5MYJ
----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Sunday, December 07, 2008 9:37 AM
Subject: Re: [glowbugradio] CLEANING OLD RADIOS

I recommend starting with solvents that aren't as "hot" as acetone, like isopropyl alcohol, or 40% ethanol (vodka).

jim N6OTQ

--- On Sun, 12/7/08, Bob Macklin <macklinbob@...> wrote:

> I got the nicotine stain off a couple of microphones with
> acetone.

247. RE: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 18:16:13 UTC
From: Jim
Topic: 238 Message: 247

Eric,

Benzene is strictly regulated and difficult to obtain in the states. And as with most aromatic solvents, it should be used with caution in a well-ventilated and spark-free work space.

But you knew that!

The thing to always remember is to first, ensure your personal safety, and second, to ensure the safety of the item you are trying to clean. There are literally a million different approaches to the latter.

But only one to the former.

73

Jim N6TQ

--- On Sun, 12/7/08, Tidak Ada <offline@...> wrote:

> Cleaning benzine is quite safe.
> Also a good solvent to remove stickers
>
> eric
>
>
> -----Oorspronkelijk bericht-----
> Van: glowbugradio@yahoogroups.com
> [mailto:glowbugradio@yahoogroups.com]Namens Jim
> Verzonden: zondag 7 december 2008 18:37
> Aan: glowbugradio@yahoogroups.com
> Onderwerp: Re: [glowbugradio] CLEANING OLD RADIOS
>
>
> I recommend starting with solvents that aren't as
> "hot" as acetone, like
> isopropyl alcohol, or 40% ethanol (vodka).
>
> jim N6OTQ
>
> --- On Sun, 12/7/08, Bob Macklin
> <macklinbob@...> wrote:
>
> > I got the nicotine stain off a couple of microphones
> with
> > acetone.

248. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 18:18:40 UTC
From: Jim
Topic: 238 Message: 248

And ... fingernail polish is mostly acetone, but also includes a small amount of mineral oil that will help prevent sudden oxidation when the acetone strips everything off of the part being cleaned.

For re-greasing variable caps, I like Krytox. It's a fluorine-based grease that lasts almost forever, and is rated for service in outer space and in high-pressure oxygen regulators for life support systems.

N6OTQ

--- On Sun, 12/7/08, Bob Macklin <macklinbob@...> wrote:

> Acetone works OK as long as only metals are involved.
>
> You can soak a tuning capacitor in acetone or lacquer
> thinner to loosen hardened grease.
>
> Bob
> K5MYJ

249. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 18:49:22 UTC
From: Carl
Topic: 238 Message: 249

I use Scrubbing Bubbles on steel and 409 or Dawn dishwashing liquid and hot water on aluminum.

Plus rags, toothbrushes, acid brushes, or whatever else it takes to get everywhere visible. Remove residue with clean water and dry thouroughly. Repeat as necessary with the cleaning cycle.

I almost never use acetone or lacquer thinner inside a radio. When I do its via an eyedropper to loosen ball bearings, switch detent, or shaft crud. PB Blaster is also effective and comes in gallon cans at Advance Auto; use the eyedropper.

Carl
KM1H

----- Original Message -----
From: "Jim" <n6otq@...>
To: <glowbugradio@yahoogroups.com>
Sent: Sunday, December 07, 2008 1:16 PM
Subject: RE: [glowbugradio] CLEANING OLD RADIOS

> Eric,
>
> Benzene is strictly regulated and difficult to obtain in the states.
> And as with most aromatic solvents, it should be used with caution in
> a well-ventilated and spark-free work space.
>
> But you knew that!
>
> The thing to always remember is to first, ensure your personal safety,
> and second, to ensure the safety of the item you are trying to clean.
> There are literally a million different approaches to the latter.
>
> But only one to the former.
>
> 73
>
> Jim N6TQ
>
>
> --- On Sun, 12/7/08, Tidak Ada <offline@...> wrote:
>
>> Cleaning benzine is quite safe.
>> Also a good solvent to remove stickers
>>
>> eric

>>
>>
>> -----Oorspronkelijk bericht-----
>> Van: glowbugradio@yahoogroups.com
>> [mailto:glowbugradio@yahoogroups.com]Namens Jim
>> Verzonden: zondag 7 december 2008 18:37
>> Aan: glowbugradio@yahoogroups.com
>> Onderwerp: Re: [glowbugradio] CLEANING OLD RADIOS
>>
>>
>> I recommend starting with solvents that aren't as
>> "hot" as acetone, like
>> isopropyl alcohol, or 40% ethanol (vodka).
>>
>> jim N6OTQ
>>
>> --- On Sun, 12/7/08, Bob Macklin
>> <macklinbob@...> wrote:
>>
>> > I got the nicotine stain off a couple of microphones
>> with
>> > acetone.
>
>
>
>

250. RE: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 19:13:39 UTC
From: Tidak Ada
Topic: 238 Message: 250

Jim,

I don't mean the (aromatic) benzEne, but the (aliphatic) cleaning or lighter benzIne

Indeed, benzene (hexagonal structure) is highly carcinogenic, the alphatic hydrocarbon (straight 8-carbon chain) is far less toxic and related to the gasoline your car drinks, however, much more purified..... Anyhow you have always to be carefull with organic sovents. They are fat soluble and so a danger for all fatty cell membranes.

The same applies ketones (as acetone) and all other organic stuff mentioned in this thread !!

eric

-----Oorspronkelijk bericht-----
Van: glowbugradio@yahoogroups.com
[mailto:glowbugradio@yahoogroups.com]Namens Jim
Verzonden: zondag 7 december 2008 19:16
Aan: glowbugradio@yahoogroups.com
Onderwerp: RE: [glowbugradio] CLEANING OLD RADIOS

Eric,

Benzene is strictly regulated and difficult to obtain in the states. And as with most aromatic solvents, it should be used with caution in a well-ventilated and spark-free work space.

But you knew that!

The thing to always remember is to first, ensure your personal safety, and second, to ensure the safety of the item you are trying to clean. There are literally a million different approaches to the latter.

But only one to the former.

73

Jim N6TQ

--- On Sun, 12/7/08, Tidak Ada <offline@...> wrote:

> Cleaning benzine is quite safe.
> Also a good solvent to remove stickers
>
> eric
>

>
> -----Oorspronkelijk bericht-----
> Van: glowbugradio@yahoogroups.com
> [mailto:glowbugradio@yahoogroups.com]Namens Jim
> Verzonden: zondag 7 december 2008 18:37
> Aan: glowbugradio@yahoogroups.com
> Onderwerp: Re: [glowbugradio] CLEANING OLD RADIOS
>
>
> I recommend starting with solvents that aren't as
> "hot" as acetone, like
> isopropyl alcohol, or 40% ethanol (vodka).
>
> jim N6OTQ
>
> --- On Sun, 12/7/08, Bob Macklin
> <macklinbob@...> wrote:
>
> > I got the nicotine stain off a couple of microphones
> with
> > acetone.

251. RE: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 19:48:12 UTC
From: Jim
Topic: 238 Message: 251

Ah yes, THAT stuff. We call it lighter fluid or Ronsonol, also charcoal starter fluid.

It's another frequently overlooked powerful solvent that does not damage most plastics or labels.

Folks, if you're keeping a list, DEFINITELY put this on it.

Yeah, like everything else, it has its hazards, and like nearly everything else it's flammable ... but it cannot hold a candle (so to speak) to acetone, ethanol, MEK, or gasoline for being able to explode in your face.

N6OTQ

--- On Sun, 12/7/08, Tidak Ada <offline@...> wrote:

> Jim,
>
> I don't mean the (aromatic) benzEne, but the
> (aliphatic) cleaning or lighter
> benzIne

252. RE: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 20:01:25 UTC
From: Tidak Ada
Topic: 238 Message: 252

Supprisingly my dictionary said benzine (as we cal l gasoline also), so
there's the confusion
What we call is not exactley lighter fluid. We call it 'Cleaning benzine'
because it is also used for taking away fat stains from your clothes.
May be also Coleman-fuelR is useful.....

eric

-----Oorspronkelijk bericht-----
Van: glowbugradio@yahoogroups.com
[mailto:glowbugradio@yahoogroups.com]Namens Jim
Verzonden: zondag 7 december 2008 20:48
Aan: glowbugradio@yahoogroups.com
Onderwerp: RE: [glowbugradio] CLEANING OLD RADIOS

Ah yes, THAT stuff. We call it lighter fluid or Ronsonol, also charcoal
starter fluid.

It's another frequently overlooked powerful solvent that does not damage
most plastics or labels.

Folks, if you're keeping a list, DEFINITELY put this on it.

Yeah, like everything else, it has its hazards, and like nearly everything
else it's flammable ... but it cannot hold a candle (so to speak) to
acetone, ethanol, MEK, or gasoline for being able to explode in your face.

N6OTQ

--- On Sun, 12/7/08, Tidak Ada <offline@...> wrote:

> Jim,
>
> I don't mean the (aromatic) benzEne, but the
> (aliphatic) cleaning or lighter
> benzIne

253. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-07 20:57:39 UTC
From: Bob Bruno - K2KI
Topic: 238 Message: 253

Yeah, but it's sure fun to watch the plastic lose it's integrity! :-)

Scrubbing Bubbles works for me!

73, cul...
Bob de k2ki

D C *Mac* Macdonald wrote:
>
> Acetone will DISSOLVE many, if not most plastics!!!
>
> 73 - Mac, K2GKK/5
> Oklahoma City, OK
>
>
>
> * In my many years, I have come to the conclusion that one useless *
> * man is a shame, two is a law firm and three or more is Congress. *
>
> * -- John Adams (1735- 1826) *
>
>
>
>
>
>
>
> ---
>
> To: glowbugradio@yahoogroups.com
> From: macklinbob@...
> Date: Sun, 7 Dec 2008 09:31:42 -0800
> Subject: Re: [glowbugradio] CLEANING OLD RADIOS
>
>
> I got the nicotine stain off a couple of microphones with acetone.
>
> Bob Macklin
> K5MYJ
> Kent (Seattle), Wa,
> "Real Radios Glow in the Dark"
>
> ----- Original Message -----
> *From:* Jim <mailto:n6otq@...>
> *To:* glowbugradio@yahoogroups.com
> <mailto:glowbugradio@yahoogroups.com>
> *Sent:* Sunday, December 07, 2008 9:15 AM

> *Subject:* Re: [glowbugradio] CLEANING OLD RADIOS
>
> Those solutions are not really contradictory if you look at what's
> in Windex or Fantastick.
>
> I'm sure there are old messages about de-stinking old smoked-on
> radios. The best I've ever found was to put the radio in a plastic
> trash bag with a dryer sheet for the weekend while you decide how
> to clean it. That's nearly free, and kills 99% of the smoke odor
> in one treatment.
>
> Jim N6OTQ
>
> --- On Sun, 12/7/08, K0DAN <k0dan@...
> <mailto:k0dan@...>> wrote:
>
> > I know this topic pops up every year...
> >
> > I have a friend who's cleaning up some estate radios
> > which were in a smoking
> > environment (the operator, not the radio). He's found
> > tips on how to clean
> > up, but contradictory advice (warm soapy water, Windex,
> > Fantasic, alcohol,
> > etc., etc.).
> >
> > Do any of these prior messages exist in an archives
> > section?
> >
> > Tnx es 73
> > Dan
>
>
>
>

254. Re: [glowbugradio] CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-08 06:16:18 UTC
From: Mike-WE0H
Topic: 238 Message: 254

As Jim said, the dryer sheet in the garbage bag trick works wonders. I have done that with an old amp and it came out non stinking even when operated and warmed up, it doesn't stink at all. Amazing. The more days the equipment sits in the sealed bag with a single dryer sheet, the better it will come out. I left my amp in the bag for 2-3 weeks I believe.

Simple Green will clean anything electronic and only require rinsing off with plain water then hit it with the air hose to dry. Warming up a rig with the hair dryer or a carefully used heatgun will help dry out other parts that want to retain water or whatever cleaner your using. Of course we all know better than to turn on a rig if not 100% sure it is dry. Lube anything that requires lube after the cleaning & drying process.

Mike
WE0H

255. FS: Heathkit, National, Drake and Other Original Manuals

Yahoo group: glowbugradio
Date: 2008-12-08 15:06:22 UTC
From: David Hollander
Topic: 192 Message: 255

I still have many Heathkit original manuals for sale along with a few
original Drake, National and Yaesu manuals. I will ship international.

The list can be seen here:

http://members.cox.net/radiostuff9/manuals_fs.htm

73 and Tnx for looking,

Dave N7RK
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

256. More on Cleaning Old Radios

Yahoo group: glowbugradio
Date: 2008-12-08 15:17:52 UTC
From: Carl
Topic: 256 Message: 256

I use Meguiars Plastic Cleaner and then the polish on Heath and other meter faces. The results are often an as new meter. Dont put Heath SB series cabinets in the dishwasher either unless you plan to repaint; some will survive and others wont. Heaths paint formulas were inconsistent and probably a lot was outsourced during their peak days.

Many dont like Tarn-X but Ive been using it for decades with no problems. Use a Q-Tip and a diluted solution to clean rotary switches. Follow up with Q-Tips in water and then blow dry. Use a magnifier and tweezers to remove any stray Q-Tip lint.

For stickers, Goo Gone, Goof Off, and Oops works great and doesnt attack knobs, paint, meter faces, etc as does acetone. For the real stubborn stickers lacquer thinner on a Q-Tip and a sharp plastic scraper such as used on a windshield is my preference. Always test a hidden spot first as behind a knob.

Carl
KM1H

257. Re: CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-08 23:22:27 UTC
From: Barry L. Hoffman
Topic: 238 Message: 257

I like to keep the radios with their "patina" and "aroma".

As a cigar and pipe smoker, I can't understand why anyone would want to distroy the amomatic smell that has taken 35+ years to build up.

K7BLH

--- In glowbugradio@yahoogroups.com, "K0DAN" <k0dan@...> wrote:
>
> I know this topic pops up every year...
>
> I have a friend who's cleaning up some estate radios which were in a smoking
> environment (the operator, not the radio). He's found tips on how to clean
> up, but contradictory advice (warm soapy water, Windex, Fantasic, alcohol,
> etc., etc.).
>
> Do any of these prior messages exist in an archives section?
>
> Tnx es 73
> Dan
>

258. Re: [glowbugradio] Re: CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-08 23:44:10 UTC
From: Paul Kraemer
Topic: 238 Message: 258

Absolutely! And who would want an original silver tint on the lid of an SX101 or SX-62? I wouldn't even know what original was supposed to look like. I think 80% silver paint and 20% nicotene stain is what many know to be the correct color.
Now the warming up stench from living in a greasy cooking environment, that's another story. Those I air out.
Paul K0UYA
----- Original Message -----
From: Barry L. Hoffman
To: glowbugradio@yahoogroups.com
Sent: Monday, December 08, 2008 5:22 PM
Subject: [glowbugradio] Re: CLEANING OLD RADIOS

I like to keep the radios with their "patina" and "aroma".

As a cigar and pipe smoker, I can't understand why anyone would want to distroy the amomatic smell that has taken 35+ years to build up.

K7BLH

--- In glowbugradio@yahoogroups.com, "K0DAN" <k0dan@...> wrote:
>
> I know this topic pops up every year...
>
> I have a friend who's cleaning up some estate radios which were in a smoking
> environment (the operator, not the radio). He's found tips on how to clean
> up, but contradictory advice (warm soapy water, Windex, Fantasic, alcohol,
> etc., etc.).
>
> Do any of these prior messages exist in an archives section?
>
> Tnx es 73
> Dan
>

259. Re: [glowbugradio] Re: CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-09 00:40:27 UTC
From: Carl
Topic: 238 Message: 259

Well, Ive never owned a SX-101 but I do have a pair of SX-62A's that do a nice job as a room heater. One is on up to 14-15 hours a day and is my favorite general entertainment listening radio. I made a small wiring change, removed the 6V6's, and feed the low level audio into a 50's RCA Orthophonic console audio deck and 4 speakers.

The other does similar duty in the bedroom with the R-42 speaker.

Luckily both came from civilized enviroments and needed minimal cosmetic cleaning.

However, replacing 42 paper caps plus electrolytics and a bunch of resistors is not a task to be taken lightly!

Carl
KM1H

----- Original Message -----
From: "Paul Kraemer" <elespe@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, December 08, 2008 6:44 PM
Subject: Re: [glowbugradio] Re: CLEANING OLD RADIOS

Absolutely! And who would want an original silver tint on the lid of an SX101 or SX-62? I wouldn't even know what original was supposed to look like. I think 80% silver paint and 20% nicotene stain is what many know to be the correct color.
Now the warming up stench from living in a greasy cooking environment, that's another story. Those I air out.
Paul K0UYA
----- Original Message -----
From: Barry L. Hoffman
To: glowbugradio@yahoogroups.com
Sent: Monday, December 08, 2008 5:22 PM
Subject: [glowbugradio] Re: CLEANING OLD RADIOS

I like to keep the radios with their "patina" and "aroma".

As a cigar and pipe smoker, I can't understand why anyone would want to distroy the amomatic smell that has taken 35+ years to build up.

K7BLH

--- In glowbugradio@yahoogroups.com, "K0DAN" <k0dan@...> wrote:
>
> I know this topic pops up every year...
>

> I have a friend who's cleaning up some estate radios which were in
a smoking
> environment (the operator, not the radio). He's found tips on how
to clean
> up, but contradictory advice (warm soapy water, Windex, Fantasic,
alcohol,
> etc., etc.).
>
> Do any of these prior messages exist in an archives section?
>
> Tnx es 73
> Dan
>

260. Re: [glowbugradio] Re: CLEANING OLD RADIOS

Yahoo group: glowbugradio
Date: 2008-12-09 01:36:15 UTC
From: Charles MacDonald
Topic: 238 Message: 260

Barry L. Hoffman wrote:
> I like to keep the radios with their "patina" and "aroma".
>
> As a cigar and pipe smoker, I can't understand why anyone would want
> to distroy the amomatic smell that has taken 35+ years to build up.

Because it makes one cough and gag? I have received a lot of tubes on e-bay with a distict Tobaco smell, and assumed they becaome available to me because the original owner went the same way that my dad did, way before their time and wearing an oxigen mask because of the lung cancer. a few months after he was diagnoised, I found myself at his hospital bed at 1 AM holding his hand as he breathed his literal last gasp.

On a happier note, I did have a couple of comments on this thread.

1) First is that on my first job I worked in a store that sold cameras and Calulators when Calulators were in the 100 dollar range for a simple unit. We would regularly use windex to keep our display units clean. It is amazing how Windex can shine up even chrome and/ or plastic.

Use a rag or paper towel and spray the windex on the rag, then wipe the machine with the damp cloth. Sparing the unit directly alows the water to perhaps get in where it does not belong.

2) One item to watch is that any solvent may takes off "rubber stamp" type markings which are often found on the back of Chassis and on parts like Tunning gangs and IF transformers. ALways try to reord this information before you even try with the windex.

3) in the opposite way from point 2, WD40 is great for taking off many types of Ink like magic marker that someone has written on any sort of unit.

{And I hope the smokers wont get ofened, but growing up with a smoker in the house has left me liable to cough if I get within 100 yaerds of tobaco smoke.- when I get smoky items I have to leve them where they can air out beofre I can get close enough to look at them}

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

261. FW: MiniDipole Math NOT RIGHT

Yahoo group: glowbugradio
Date: 2008-12-10 06:27:19 UTC
From: Theosleaper
Topic: 261 Message: 261

Hello,
Can anyone help us? Paul and I are playing around with shortened dipoles and would like to learn the math.
Rick, K1WYH

-----Original Message-----
From: Theosleaper [mailto:theosleaper@...]
Sent: Wednesday, December 10, 2008 12:31 AM
To: Paul
Subject: MiniDipole Math NOT RIGHT

Paul,

Page 6.23 of the "2002 A.R.R.L. Handbook" has a formula for Straight-Wire Inductance.
Will this tell us the inductance of an antenna wire?

L = 0.00508 b { [ln (2b/a)] - 0.75 }

L = uH, a= wire radius in inches, b=wire length in inches, ln=natural log = 2.303 times common log (base 10)

Page 6.22 of the "2002 A.R.R.L. Handbook" has a formula for Air-Core Inductors.

L (uH)= ("d" squared times "n" squared) divided by (18d+40 Length)
d=coil diameter from wire center to wire center, Length of coil in inches, n=number of turns.

So for straight-wire inductance :

!/4 wavelength Leg is 60 feet.

Using solid #14 wire which page 24.8 of the "2002 A.R.R.L. Handbook" says has a diameter of 0.0641 inches.

L = 0.00508 b { [ln (2b/a)] - 0.75 }
b = wire length=60 feet times 12 = 720 inches,

a=wire radius = 0.0641/2 = 0.03205 inches.

L (in uH, of 60 feet of straight antenna wire) = 0.00508 times 720 { [ln (2 times 720 / 0.03205)] - 0.75}

L = 0.00508 times 720 {[ln 44930] - 0.75}, L=0.00508 times 720 {[10.71] - 0.75}

L = 0.00508 times 720 times 9.963

L = 36 uH. THIS NUMBER DOES NOT MAKE SENSE TO ME. IT IS TOO SMALL.

I DO NOT THINK THIS FORMULA IS DEALING PROPERLY WITH SKIN EFFECT AT

HF. ????? OR SOMETHING.

I'm lacking the resources at present, Paul.

Rick

New vision for a questioning world: http://home.comcast.net/~theosleaper

262. Cakepanion RX

Yahoo group: glowbugradio
Date: 2008-12-12 15:19:07 UTC
From: n3bj
Topic: 262 Message: 262

Anyone have any experience with this kit that was offered a while ago ? I'm interested in the performance of the unit.

Please let me know if you have listened to one.

Thanks,

Alan, N3BJ

263. Radio Adventure BK-175 T/R Adapter

Yahoo group: glowbugradio
Date: 2008-12-16 20:38:40 UTC
From: n3bj
Topic: 263 Message: 263

Anyone have one of these that is surplus ? Local OT is looking for one and I believe they are temporarily unobtanium from RA.

Please let me know if you have one that is surplus to your needs.

Alan, N3BJ

264. New QST Article

Yahoo group: glowbugradio
Date: 2008-12-18 21:44:41 UTC
From: John Parker
Topic: 262 Message: 264

Just received my Jan issue of QST today.

Nice article's

Pg 33..Building a 1927 Regen Receiver..a great piece of work

Pg 39..Resurrecting a WWII Command Set Transmitter

Pg 73..Bring that WWII Command Set Receiver Back to Life

Getting caught up on things..in the middle of a snow storm..5+ in and still falling.

73,

John KD7KFT

265. Elmac AF-67 PS wanted

Yahoo group: glowbugradio
Date: 2008-12-23 18:37:53 UTC
From: Carl
Topic: 265 Message: 265

Im looking for the matching PS-2V AC supply and interconnect cable.
Either or both.

Carl

266. Radio Adventures BK-175 T/R Adapter

Yahoo group: glowbugradio
Date: 2008-12-23 19:09:36 UTC
From: n3bj
Topic: 266 Message: 266

Anyone have one of these that is surplus ? Local OT is looking for one and I believe they are temporarily unobtanium from RA. Please let me know if you have one that is surplus to your needs.

Alan, N3BJ

267. Help with Clevite and Murata ceramit filter ID

Yahoo group: glowbugradio
Date: 2008-12-23 22:11:00 UTC
From: Carl
Topic: 267 Message: 267

I have several filters that Ive been unable to locate the specs, any help will be appreciated.

Clevite TCF4-8020A, TCF6-30D55A-1, TCF6-12F36A-B, TL 4009-72A, TL 3209-57A

Murata CFM-455H, CFM-455O, CFR-455G, CFS-455G, SFW-10.7MA

About the only thing I can be sure of is the Murata frequencies.

Carl
KM1H

268. Will, WA5OLT

Yahoo group: glowbugradio
Date: 2008-12-24 16:51:12 UTC
From: John Parker
Topic: 267 Message: 268

Will,

Are you a member of this group?

Looking for the coil design program you sent me back in April 07. It was called inductzz.exe

I had a hard drive crash and lost everything.

73 and Merry Christmas to All!!!

John KD7KFT

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Tuesday, December 23, 2008 2:11 PM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Help with Clevite and Murata ceramit filter ID

I have several filters that Ive been unable to locate the specs, any help will be appreciated.

Clevite TCF4-8020A, TCF6-30D55A-1, TCF6-12F36A-B, TL 4009-72A, TL 3209-57A

Murata CFM-455H, CFM-455O, CFR-455G, CFS-455G, SFW-10.7MA

About the only thing I can be sure of is the Murata frequencies.

Carl
KM1H

269. Crystal grinding kits.....finally

Yahoo group: glowbugradio
Date: 2008-12-24 22:33:22 UTC
From: Lloyd KK7IZ
Topic: 269 Message: 269

A while back I brought up the subject. Found these nice round pieces of lab glass to grind on.
Well friend Scott finally got his grit together and I now have medium, fine and extra fine grinding abrasive.
Then friend J.W. came up with some nice little plastic spisimen bottles to put it in. Now all I have to do is get it portioned out and packed. Will be back to each of you who expressed interest. Incidentally there are 3 kits still available.
Thanx
Lloyd KK7IZ
kk7iz@...

270. Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-26 19:03:39 UTC
From: John Parker
Topic: 270 Message: 270

Sometime last year (07), there was a bit of discussion about buying parts to do a group build for a coil winder. Or is my memory fading?

Can someone refresh my memory on what ever became of this?

TKs,

John KD7KFT

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of John Parker
Sent: Wednesday, December 24, 2008 8:51 AM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Will, WA5OLT

Will,

Are you a member of this group?

Looking for the coil design program you sent me back in April 07. It was called inductzz.exe

I had a hard drive crash and lost everything.

73 and Merry Christmas to All!!!

John KD7KFT

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Tuesday, December 23, 2008 2:11 PM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Help with Clevite and Murata ceramit filter ID

I have several filters that Ive been unable to locate the specs, any help will be appreciated.

Clevite TCF4-8020A, TCF6-30D55A-1, TCF6-12F36A-B, TL 4009-72A, TL 3209-57A

Murata CFM-455H, CFM-455O, CFR-455G, CFS-455G, SFW-10.7MA

About the only thing I can be sure of is the Murata frequencies.

Carl
KM1H

271. Re: [glowbugradio] Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-26 20:02:56 UTC
From: Carl
Topic: 270 Message: 271

Here is one but I dont remember a group buy. I would be interested.

Carl
KM1H

I have just published more material on this, multi-pi coil and counter
http://www.antiqueradioarchives.com/Coil%20Winder-%20KK7IZ/COIL%20WINDER-KK7IZ.pdf
Thanx
Lloyd KK7IZ
kk7iz@...

Lloyd Godsey KK7IZ
1315 N. Udall Circle
Mesa, Az 85203
480-620-7145 (cell)
Visit my web site
www.lloydsdipsydumpster.com

----- Original Message -----
From: "John Parker" <parkjv1@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, December 26, 2008 2:03 PM
Subject: [glowbugradio] Coil Winder

> Sometime last year (07), there was a bit of discussion about buying
> parts to
> do a group build for a coil winder. Or is my memory fading?
>
> Can someone refresh my memory on what ever became of this?
>
>
>
> TKs,
>
>
>
> John KD7KFT
>
>
>
>

>
> _____
>
> From: glowbugradio@yahoogroups.com
> [mailto:glowbugradio@yahoogroups.com] On
> Behalf Of John Parker
> Sent: Wednesday, December 24, 2008 8:51 AM
> To: glowbugradio@yahoogroups.com
> Subject: [glowbugradio] Will, WA5OLT
>
>
>
> Will,
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>
>
> Are you a member of this group?
>
>
>
> Looking for the coil design program you sent me back in April 07. It
> was
> called inductzz.exe
>
>
>
> I had a hard drive crash and lost everything.
>
>
>
> 73 and Merry Christmas to All!!!
>
>
>
> John KD7KFT
>
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>
>
>
>
>
> _____
>
> From: glowbugradio@yahoogroups.com
> [mailto:glowbugradio@yahoogroups.com] On
> Behalf Of Carl
> Sent: Tuesday, December 23, 2008 2:11 PM
> To: glowbugradio@yahoogroups.com
> Subject: [glowbugradio] Help with Clevite and Murata ceramit filter ID

>
>
>
> I have several filters that Ive been unable to locate the specs, any
> help will be appreciated.
>
> Clevite TCF4-8020A, TCF6-30D55A-1, TCF6-12F36A-B, TL 4009-72A, TL
> 3209-57A
>
> Murata CFM-455H, CFM-455O, CFR-455G, CFS-455G, SFW-10.7MA
>
> About the only thing I can be sure of is the Murata frequencies.
>
> Carl
> KM1H
>
>
>
>

272. Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-26 21:36:43 UTC
From: kk7iz
Topic: 270 Message: 272

Here is good link to coil winder.
http://www.lloydsdipsydumpster.com/COIL%20WINDER-KK7IZ.pdf
I had suggested a group buy at one time, but no positive e=response. I have been gathering material to do a ONT TIME production run of 10 or 12 units but have not had time to pursue it. Lloyd
--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
>
> Here is one but I dont remember a group buy. I would be interested.
>
> Carl
> KM1H
> --
----

273. Re: [glowbugradio] Radio Adventures BK-175 T/R Adapter

Yahoo group: glowbugradio
Date: 2008-12-27 16:09:53 UTC
From: Rod Hogg
Topic: 266 Message: 273

Alan....
Am not fully up to speed on a lot stuff, but have a lot of old radio gear.

What is a BK-175? Never heard of it. What am I looking for?

Rod
K0EQH

--- On Tue, 12/23/08, n3bj <n3bj@...> wrote:

From: n3bj <n3bj@...>
Subject: [glowbugradio] Radio Adventures BK-175 T/R Adapter
To: glowbugradio@yahoogroups.com
Date: Tuesday, December 23, 2008, 1:09 PM

Anyone have one of these that is surplus ? Local OT is looking for one
and I believe they are temporarily unobtanium from RA. Please let me
know if you have one that is surplus to your needs.

Alan, N3BJ

274. Re: [glowbugradio] Radio Adventures BK-175 T/R Adapter

Yahoo group: glowbugradio
Date: 2008-12-28 16:07:56 UTC
From: Alan Fryer
Topic: 266 Message: 274

Rod

Here's the link - neat accessory !

http://www.radioadv.com/ham_radio_equipment/Accessories/BK175.htm

Best 73,

Alan, N3BJ

----- Original Message -----
From: Rod Hogg
To: glowbugradio@yahoogroups.com
Sent: Saturday, December 27, 2008 11:09 AM
Subject: Re: [glowbugradio] Radio Adventures BK-175 T/R Adapter

Alan....
Am not fully up to speed on a lot stuff, but have a lot of old radio gear.

What is a BK-175? Never heard of it. What am I looking for?

Rod
K0EQH

--- On Tue, 12/23/08, n3bj <n3bj@...> wrote:

From: n3bj <n3bj@...>
Subject: [glowbugradio] Radio Adventures BK-175 T/R Adapter
To: glowbugradio@yahoogroups.com
Date: Tuesday, December 23, 2008, 1:09 PM

Anyone have one of these that is surplus ? Local OT is looking for one
and I believe they are temporarily unobtanium from RA. Please let me
know if you have one that is surplus to your needs.

Alan, N3BJ

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.552 / Virus Database: 270.10.0/1865 - Release Date: 12/26/2008 1:01 PM

275. RE: [glowbugradio] Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-26 22:03:29 UTC
From: John Parker
Topic: 270 Message: 275

Lloyd,

That was it!! Thanks!! You can put my name on the list.

How difficult has it been to obtain parts?

John KD7KFT

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of kk7iz
Sent: Friday, December 26, 2008 1:37 PM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Re: Coil Winder

Here is good link to coil winder.
http://www.lloydsdi
<http://www.lloydsdipsydumpster.com/COIL%20WINDER-KK7IZ.pdf>
psydumpster.com/COIL%20WINDER-KK7IZ.pdf
I had suggested a group buy at one time, but no positive e=response. I have been gathering material to do a ONT TIME production run of 10 or 12 units but have not had time to pursue it. Lloyd
--- In glowbugradio@ <mailto:glowbugradio%40yahoogroups.com> yahoogroups.com, "Carl" <km1h@...> wrote:
>
> Here is one but I dont remember a group buy. I would be interested.
>
> Carl
> KM1H
> --
---

276. Re: [glowbugradio] Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-30 03:30:39 UTC
From: Charles MacDonald
Topic: 270 Message: 276

John Parker wrote:
> Lloyd,
>
>
>
> That was it!! Thanks!! You can put my name on the list.

> <http://www.lloydsdipsydumpster.com/COIL%20WINDER-KK7IZ.pdf>
> I had suggested a group buy at one time, but no positive e=response. I
> have been gathering material to do a ONT TIME production run of 10 or
> 12 units but have not had time to pursue it. Lloyd

Put me down as interested depending on the price. I would be tempted to
use wood for some of the parts as it is easier to work than the plastic.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

277. Re: [glowbugradio] Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-30 03:41:43 UTC
From: LEE BAHR
Topic: 270 Message: 277

I'll buy one in a "group buy". But I ain't building one from scratch. I have a Morris Coil winder but could never make scramble wound coils with it.

Lee Bahr, w0vt

----- Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com
Sent: Monday, December 29, 2008 9:30 PM
Subject: Re: [glowbugradio] Re: Coil Winder

John Parker wrote:
> Lloyd,
>
>
>
> That was it!! Thanks!! You can put my name on the list.

> <http://www.lloydsdipsydumpster.com/COIL%20WINDER-KK7IZ.pdf>
> I had suggested a group buy at one time, but no positive e=response. I
> have been gathering material to do a ONT TIME production run of 10 or
> 12 units but have not had time to pursue it. Lloyd

Put me down as interested depending on the price. I would be tempted to
use wood for some of the parts as it is easier to work than the plastic.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

278. Re: [glowbugradio] Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-30 11:52:16 UTC
From: Carl
Topic: 270 Message: 278

I would be interested also as I delve more into the depths of antiquity
and homebrew.

Carl
KM1H

----- Original Message -----
From: "LEE BAHR" <pulsarxp@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, December 29, 2008 10:41 PM
Subject: Re: [glowbugradio] Re: Coil Winder

I'll buy one in a "group buy". But I ain't building one from scratch.
I have a Morris Coil winder but could never make scramble wound coils
with it.

Lee Bahr, w0vt

----- Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com
Sent: Monday, December 29, 2008 9:30 PM
Subject: Re: [glowbugradio] Re: Coil Winder

John Parker wrote:
> Lloyd,
>
>
>
> That was it!! Thanks!! You can put my name on the list.

> <http://www.lloydsdipsydumpster.com/COIL%20WINDER-KK7IZ.pdf>
> I had suggested a group buy at one time, but no positive e=response.
I
> have been gathering material to do a ONT TIME production run of 10
or
> 12 units but have not had time to pursue it. Lloyd

Put me down as interested depending on the price. I would be tempted
to
use wood for some of the parts as it is easier to work than the
plastic.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/

No Microsoft Products were used in sending this e-mail.

279. Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-30 16:34:56 UTC
From: john_kb7nrn
Topic: 270 Message: 279

I would be interested in a kit too.

John
KB7NRN

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
>
> I would be interested also as I delve more into the depths of
antiquity
> and homebrew.
>
> Carl
> KM1H
>

280. My belated Christmas greeting

Yahoo group: glowbugradio
Date: 2008-12-30 16:56:57 UTC
From: john_kb7nrn
Topic: 280 Message: 280

I didn't take the time to give everyone here a Christmas greeting so
I'll just post an electronic Christmas card.

http://groups.yahoo.com/group/glowbugradio/photos/album/882600247/pic/1
100167194/view?picmode=original&mode=tn&order=ordinal&start=1&dir=asc

John
KB7NRN

281. Re: [glowbugradio] Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-30 17:03:56 UTC
From: Mike-WE0H
Topic: 270 Message: 281

Add me to the list for a kit.

tnx,
Mike
WE0H

282. Re: [glowbugradio] Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-30 18:12:18 UTC
From: Don Meyers
Topic: 270 Message: 282

I am interested in a kit also.

Don
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

283. Wall Warts

Yahoo group: glowbugradio
Date: 2008-12-30 23:59:24 UTC
From: parkjv1@comcast.net
Topic: 283 Message: 283

I know this is off topic but has anyone ever modified a wall wart? For example,

I have one that convers 120v, 60hz to 4.5vdc, 700ma.

I would like to convert 120v, 60hz to 13.8vdc, 150ma.

Tks,

John KD7KFT

Guess I need a power supply tutor.

284. Re: [glowbugradio] Wall Warts

Yahoo group: glowbugradio
Date: 2008-12-31 00:11:40 UTC
From: John Dilks K2TQN
Topic: 283 Message: 284

Take your pick of 12V transformers

http://www.allelectronics.com/make-a-store/category/815/Wall-Transformers/1.html

73, John

At 06:59 PM 12/30/2008, you wrote:

>I know this is off topic but has anyone ever modified a wall
>wart? For example,
>
>I have one that convers 120v, 60hz to 4.5vdc, 700ma.
>
>I would like to convert 120v, 60hz to 13.8vdc, 150ma.
>
>Tks,
>
>John KD7KFT
>
>
>Guess I need a power supply tutor.

285. Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-31 05:47:19 UTC
From: Tom
Topic: 270 Message: 285

Make that a "me too" depending on the cost and all.

Tom NU4G

--- In glowbugradio@yahoogroups.com, "john_kb7nrn" <john.bauman@...> wrote:
>
> I would be interested in a kit too.
>
> John
> KB7NRN
>
> --- In glowbugradio@yahoogroups.com, "Carl" <km1h@> wrote:
> >
> > I would be interested also as I delve more into the depths of
> antiquity
> > and homebrew.
> >
> > Carl
> > KM1H
> >
>

286. SX-101 FS/Trade

Yahoo group: glowbugradio
Date: 2008-12-31 05:59:05 UTC
From: richard.arland@att.net
Topic: 286 Message: 286

Hi Gang:

We just moved from NEPA to Dacula, GA. I downsized the radio gear by about 50% but still have some things that I would like to find good homes for.

The SX-101 I have was part of the estate of Roger, N3PBL, who died about a year ago. It is in great shape EXCEPT for the front glass (NOT the dial glass, but the glass that is on the outside of the sliderule dial). It has been re-capped, aligned, dial pointger restrung with new dial cord, and the owner that N3PBL bought it from had the case repainted the correct colors. All original knobs.

I really hate to off-load this monster as it was the first RX that Roger (N3PBL) and I restored (I was his Elmer for several years). I just do not have the physical space to use this fine old receiver and I hate to see a rig of this calibre just sitting on the shelf.

IF you are seriously interested, please contact me off-list (k7sz@...) and we'll talk. I would prefer to deliver this set or have the buyer/trader come get it as it is not only heavy but in such great condx that it would be a shame to trust it to the trained(?) monkeys at UPS or FedEx.

I live in Dacula, GA, abt 40M ENE of Atlanta. I would drive up to 100 miles from Atlanta to hand off this set. That saves me money on packing and shipping and I get out of the institution (oops, I mean the house) for a few hours.

Vy 73 & Hpy Nw Yr

Rich K7SZ

287. Re: [glowbugradio] SX-101 FS/Trade

Yahoo group: glowbugradio
Date: 2008-12-31 12:23:11 UTC
From: Alan Fryer
Topic: 286 Message: 287

Hello Rich

Got the cap, thanks !

HNY and best 73,

Alan, N3BJ

----- Original Message -----
From: richard.arland@...
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 31, 2008 12:59 AM
Subject: [glowbugradio] SX-101 FS/Trade

Hi Gang:

We just moved from NEPA to Dacula, GA. I downsized the radio gear by about 50% but still have some things that I would like to find good homes for.

The SX-101 I have was part of the estate of Roger, N3PBL, who died about a year ago. It is in great shape EXCEPT for the front glass (NOT the dial glass, but the glass that is on the outside of the sliderule dial). It has been re-capped, aligned, dial pointger restrung with new dial cord, and the owner that N3PBL bought it from had the case repainted the correct colors. All original knobs.

I really hate to off-load this monster as it was the first RX that Roger (N3PBL) and I restored (I was his Elmer for several years). I just do not have the physical space to use this fine old receiver and I hate to see a rig of this calibre just sitting on the shelf.

IF you are seriously interested, please contact me off-list (k7sz@...) and we'll talk. I would prefer to deliver this set or have the buyer/trader come get it as it is not only heavy but in such great condx that it would be a shame to trust it to the trained(?) monkeys at UPS or FedEx.

I live in Dacula, GA, abt 40M ENE of Atlanta. I would drive up to 100 miles from Atlanta to hand off this set. That saves me money on packing and shipping and I get out of the institution (oops, I mean the house) for a few hours.

Vy 73 & Hpy Nw Yr

Rich K7SZ

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.552 / Virus Database: 270.10.1/1868 - Release Date: 12/29/2008 10:48 AM

288. WTD: Hammarlund HQ-129X bandspread dial and paint info

Yahoo group: glowbugradio
Date: 2009-01-03 03:42:11 UTC
From: Carl
Topic: 288 Message: 288

Im looking for the later one that included 15M. Will buy outright or I have a very nice earlier one to swap, etc.

My cabinet and bezel is a dark brown and appears original; first one Ive seen that color. Looking for a readily available paint match in a rattle can.

Carl

289. 4-125A tubes appear to be NOS $25.00 ea

Yahoo group: glowbugradio
Date: 2009-01-03 23:09:46 UTC
From: John Parker
Topic: 286 Message: 289

If interested, e-mail off list and I'll send pics.

Tks,

John KD7KFT

290. RE: [glowbugradio] Re: Coil Winder

Yahoo group: glowbugradio
Date: 2008-12-30 16:50:52 UTC
From: Tom Rousseau
Topic: 270 Message: 290

Lee,

Please add me to the list for the group buy. Thank you.

Tom K7PJT

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Tuesday, December 30, 2008 3:52 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Re: Coil Winder

I would be interested also as I delve more into the depths of antiquity and homebrew.

Carl
KM1H

----- Original Message -----
From: "LEE BAHR" <pulsarxp@... <mailto:pulsarxp%40embarqmail.com>
>
To: <glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com> >
Sent: Monday, December 29, 2008 10:41 PM
Subject: Re: [glowbugradio] Re: Coil Winder

I'll buy one in a "group buy". But I ain't building one from scratch.
I have a Morris Coil winder but could never make scramble wound coils with it.

Lee Bahr, w0vt

----- Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
Sent: Monday, December 29, 2008 9:30 PM
Subject: Re: [glowbugradio] Re: Coil Winder

John Parker wrote:
> Lloyd,
>
>
>
> That was it!! Thanks!! You can put my name on the list.

> <http://www.lloydsdipsydumpster.com/COIL%20WINDER-KK7IZ.pdf>
> I had suggested a group buy at one time, but no positive e=response.
I
> have been gathering material to do a ONT TIME production run of 10

or
> 12 units but have not had time to pursue it. Lloyd

Put me down as interested depending on the price. I would be tempted
to
use wood for some of the parts as it is easier to work than the
plastic.

--
Charles MacDonald Stittsville Ontario
cmacd@... <mailto:cmacd%40zeusprune.ca> Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

291. Re: [glowbugradio] Re: Coil Winder

Yahoo group: glowbugradio
Date: 2009-01-08 00:51:50 UTC
From: LEE BAHR
Topic: 270 Message: 291

Tom:

I'm not the guy doing this.

Lee, w0vt

----- Original Message -----
From: Tom Rousseau
To: glowbugradio@yahoogroups.com
Sent: Tuesday, December 30, 2008 10:50 AM
Subject: RE: [glowbugradio] Re: Coil Winder

Lee,

Please add me to the list for the group buy. Thank you.

Tom K7PJT

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Tuesday, December 30, 2008 3:52 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Re: Coil Winder

I would be interested also as I delve more into the depths of antiquity
and homebrew.

Carl
KM1H

----- Original Message -----
From: "LEE BAHR" <pulsarxp@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, December 29, 2008 10:41 PM
Subject: Re: [glowbugradio] Re: Coil Winder

I'll buy one in a "group buy". But I ain't building one from scratch.
I have a Morris Coil winder but could never make scramble wound coils
with it.

Lee Bahr, w0vt

----- Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com
Sent: Monday, December 29, 2008 9:30 PM
Subject: Re: [glowbugradio] Re: Coil Winder

John Parker wrote:
> Lloyd,
>
>
>
> That was it!! Thanks!! You can put my name on the list.

> <http://www.lloydsdipsydumpster.com/COIL%20WINDER-KK7IZ.pdf>
> I had suggested a group buy at one time, but no positive e=response.
I
> have been gathering material to do a ONT TIME production run of 10
or
> 12 units but have not had time to pursue it. Lloyd

Put me down as interested depending on the price. I would be tempted
to
use wood for some of the parts as it is easier to work than the
plastic.

--
Charles MacDonald Stittsville Ontario
cmacd@zeusprune.ca Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

292. Needed -Gonset G-66 power supply schematic

Yahoo group: glowbugradio
Date: 2009-01-24 03:59:08 UTC
From: toober2
Topic: 292 Message: 292

Hi all - I'm a new member. Grew up in a TV/radio shop in the '60's. I restore boatanchors to use. A friend gave me a pretty nice G-66 Gonset with the bolt-on power supply. It is the one that can be used on 6 or 12 volts with a vibrator change and a fil. wiring change (if I remember right). I also think it can be used on AC mains if the input plug is wired correctly. Need a schematic for the power supply. None of the usual sights have a schematic for the power supplys. BAMA has a partial manual no p/s. Can anyone help? Email direct at >Mastertech@...< Thankx and looking forward to this group! Max

293. RE: [glowbugradio] Needed - Gonset G-66 power supply schematic

Yahoo group: glowbugradio
Date: 2009-01-24 19:15:12 UTC
From: D C *Mac* Macdonald
Topic: 293 Message: 293

Well, Max, I found that neither of my two G-66/G-66B manuals
had any schematic for the power supply.

HOWEVER, I do have a G-66B (NIB). No manual in there, either.
BUT, the power supply box had never been opened. I opened it
and then opened the AC plug and checked its wiring. I was ready
to simply send you the info for that, when I decided to look at
the warranty card package that was stapled together with, YES,
a schematic of the power supply AND 12-pin Jones plug wiring
for 120VAC, 12VDC, and 6VDC. Here is the info for the Jones plug.
*
*
120 VAC Plug:
120 VAC to pins 5 and 7 via 2 A fused plug (original cord)
CAUTION: USE SEPARATE IN-LINE FUSES IF FUSED PLUG UNAVAILABLE!
Jumper pin 8 to 9, and pin 3 to 12
*
*
12 VDC Plug:
+12 VDC to pins 1 and 2 (jumpered) through 7.5 A, 3AG fuse
-12 VDC to Pin 3
Jumper pins 4, 5, 6, and 12
Jumper Pin 10 to 11
*
*
6 VDC Plug:
+ 6 VDC to Pins 1 and 2 (jumpered) through 10 A, 3AG fuse
- 6 VDC to Pins 3 and 12 (jumpered)
Jumper Pins 4, 5, 6, and 9
Jumper Pin 10 to 11
*
*
Since I had to open up my NIB G-66B to get this info, I have
decided that I might as well put it into service. The radio
and power supply were shipped from Gonset to Gopher Electronics
in St Paul, MN on 6/17/53! It probably has never had power
to it. The box has a notation that no manual had been included.
*
I had bought a used set of the Gonset twins back in Sacramento, CA
in 1962 when I was stationed at Mather AFB for electronic warfare
school and installed it in my 1962 Pontiac Tempest LeMans coupe.
With wife's logging assistance I made 6th place nationally in the
1962 ARRL Field Day with that rig. Fond memories, to say the least.
She got her Novice (WN6DFR) license through a class conducted by
Buck, W6QHP with the R.A.M.S club in Sacramento. She currently has

KA5BJS here in Oklahoma City.
*
73 - Mac, K2GKK/5
Oklahoma City, OK
*
*
* In my many years, I have come to the conclusion that one useless ** man is a shame, two is a law firm and three or more is Congress. ** -- John Adams (1735- 1826) *

From: k2gkk@...: mastertech@...: k2gkk@...: RE: [glowbugradio] Needed -Gonset G-66 power supply schematicDate: Sat, 24 Jan 2009 05:57:00 -0600*

I can probably help you. I'm pretty sure that Ihave several Gonset Twins manuals around thatgo with my radios.*Yes, the G66B bolt-on supply can be used with120VAC input. I'll have to find the book latertoday to get out the info, though.*73 - Mac, K2GKK/5Oklahoma City, OK**To: glowbugradio@yahoogroups.comFrom: mastertech@rock.comDate: Sat, 24 Jan 2009 03:59:08 +0000Subject: [glowbugradio] Needed -Gonset G-66 power supply schematic*

Hi all - I'm a new member. Grew up in a TV/radio shop in the '60's. I restore boatanchors to use. A friend gave mea pretty nice G-66 Gonset with the bolt-on power supply.It is the one that can be used on 6 or 12 volts with avibrator change and a fil. wiring change (if I rememberright). I also think it can be used on AC mains if theinput plug is wired correctly. Need a schematic for thepower supply. None of the usual sights have a schematicfor the power supplys. BAMA has a partial manual no p/s.Can anyone help? Email direct at Mastertech@...*Thankx and looking forward to this group! Max
.

294. FS: Heathkit, Howard, Johnson, Parts and Other Toys

Yahoo group: glowbugradio
Date: 2009-02-10 21:37:23 UTC
From: David Hollander
Topic: 294 Message: 294

Here are a few items for sale. Prices do not include shipping. I will ship overseas.
Thanks for looking...Dave N7RK

Heathkit HW-100 Transceiver with Manual.....$130 plus shipping
This is a very clean unit that had been wrapped up and stored for many years by the original builder/owner. It has a few light scratches but otherwise very clean. Insides are also very clean. I don't have a power supply so it is untested. Includes the original manual. I will ship international.
http://members.cox.net/radiostuff9/hw100.JPG
http://members.cox.net/radiostuff9/hw1002.JPG
http://members.cox.net/radiostuff9/hw1003.JPG
http://members.cox.net/radiostuff9/hw1004.JPG
http://members.cox.net/radiostuff9/hw1005.JPG
http://members.cox.net/radiostuff9/hw1006.JPG

I have many Drake TR-7 Parts available.

Jones MM-1 Micromatch for Open Wire Line.....$80 plus shipping
I have seen and owned a number of Jones Micromatch?s before but have never seen this one. It is the model MM-1 for use with open wire line. The controls adjust impedance from 50-300 ohms and power level
http://members.cox.net/radiodx5/mm1micromatch.JPG
http://members.cox.net/radiodx5/mm1micromatch2.JPG
http://members.cox.net/radiodx5/mm1micromatch3.JPG

Howard 435-A Receiver.....$125 plus shipping
This is a 7 tube 1941 communications receiver. More info can be found on my Howard web page at:
http://members.cox.net/n7rk/howard.htm
Unlike many Howards, the slide dial is in very good condition. They are usually badly rusted or corroded. The radio plays but needs to be restored. I listened to the broadcast band and some short wave stations on the 60 and 31 meter band this morning. Includes a ?manual photocopy?
http://members.cox.net/radiodx5/howard435.JPG
http://members.cox.net/radiodx5/howard4352.JPG
http://members.cox.net/radiodx5/howard4353.JPG
http://members.cox.net/radiodx5/howard4354.JPG

W.W.II Setchell Carlson 524 BC-1766-C Aircraft Beacon Receiver.....$38 plus shipping
The receiver is in nice shape and appears to be complete and unmodified. It is untested.
http://members.cox.net/radiodx3/setchellcarlson524.JPG
http://members.cox.net/radiodx3/setchellcarlson5242.JPG

http://members.cox.net/radiodx3/setchellcarlson5243.JPG
http://members.cox.net/radiodx3/setchellcarlson5244.JPG

EF Johnson Adventurer Transmitter.....$80 plus shipping
A previous owner mucked up the front panel but the insides are very clean and appear to be unmodified. I fired it up and could hear the oscillator but no output and no time to go any further. I?ll include a new in the box 807 and 6AG7 with the purchase
http://members.cox.net/radiodx5/adventurer.JPG
http://members.cox.net/radiodx5/adventurer.JPG
http://members.cox.net/radiodx5/adventurer.JPG
http://members.cox.net/radiodx5/adventurer.JPG
http://members.cox.net/radiodx5/adventurer.JPG
http://members.cox.net/radiodx5/adventurer.JPG

B&W JTCL 80-10 Meter Link Coupled Bandswitching Assembly.....$45 plus shipping
Appears to be complete. Some of the coils need to be re-glued which is pretty typical
of these old coil assemblies.
http://members.cox.net/radiodx3/bwcoilassy.JPG
http://members.cox.net/radiodx3/bwcoilassy2.JPG
http://members.cox.net/radiodx3/bwcoilassy3.JPG

Air-Dux Coil 80-10 Meter for Linear Amplifier.....$35 plus shipping
Mounts on stand-offs (not included)
http://members.cox.net/radiodx3/airduxassy.JPG
http://members.cox.net/radiodx3/airduxassy2.JPG

5 misc plug-in coils with 5 pin bases and 2 misc plug-in coils with 6 pin bases.....$32 plus shipping
http://members.cox.net/radiodx3/5pincoils.JPG
http://members.cox.net/radiodx3/5pincoilsx3.JPG
http://members.cox.net/radiodx3/6pincoils.JPG

B&W 20 Meter JVL and 20 MEL Plug-in Coils.....$14 plus shipping
http://members.cox.net/radiodx3/20jvl.JPG

B&W 80 Meter JVL Plug-in Coil...$10 plus shipping
http://members.cox.net/radiodx3/http://members.cox.net/radiodx3/jvl80.JPG

1927 QST Magazine - Entire Year in QST Binder.....$80 plus shipping

1926 QST Magazine - Entire Year in QST Binder.....$80 plus shipping

or both for $150 shipped

The entire year (12 Issues) of 1926 and 1927 QST's in the official ARRL QST binders. The binders shows wear but the actual issues are in very good to excellent condition considering they are over 80 years old.

Heathkit and Drake Original Manuals
I also have the following original Heathkit, National, Drake and a few

other manuals for sale. List can be viewed here:
http://members.cox.net/radiostuff9/manuals_fs.htm

--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

295. FS: Heathkit, Howard, B&W, Drake and Other Goodies

Yahoo group: glowbugradio
Date: 2009-02-16 19:01:36 UTC
From: David Hollander
Topic: 295 Message: 295

Here are a few items for sale. Prices do not include shipping. I will ship overseas.
Thanks for looking...Dave N7RK

Heathkit HW-100 Transceiver with Manual.....$120 plus shipping
This is a very clean unit that had been wrapped up and stored for many years by the original builder/owner. It has a few light scratches but otherwise very clean. Insides are also very clean. I don't have a power supply so it is untested. Includes the original manual. I will ship international.
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http://members.cox.net/radiostuff9/hw1003.JPG
http://members.cox.net/radiostuff9/hw1004.JPG
http://members.cox.net/radiostuff9/hw1005.JPG
http://members.cox.net/radiostuff9/hw1006.JPG

I have many Drake TR-7 Parts available.

Jones MM-1 Micromatch for Open Wire Line.....$75 plus shipping
I have seen and owned a number of Jones Micromatch?s before but have never seen this one. It is the model MM-1 for use with open wire line. The controls adjust impedance from 50-300 ohms and power level
http://members.cox.net/radiodx5/mm1micromatch.JPG
http://members.cox.net/radiodx5/mm1micromatch2.JPG
http://members.cox.net/radiodx5/mm1micromatch3.JPG

Howard 435-A Receiver.....$125 plus shipping
This is a 7 tube 1941 communications receiver with internal speaker. More info can be found on my Howard web page at:
http://members.cox.net/n7rk/howard.htm
Unlike many Howards, the slide dial is in very good condition. They are usually badly rusted or corroded. The radio plays but needs to be restored. I listened to the broadcast band and some short wave stations on the 60 and 31 meter band this morning. Includes a ?manual photocopy?
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http://members.cox.net/radiodx5/howard4352.JPG
http://members.cox.net/radiodx5/howard4353.JPG
http://members.cox.net/radiodx5/howard4354.JPG

Howard 430 Receiver.....$80 plus shipping
This is a 6 tube communications receiver with internal speaker built in 1939 and 1940. More info can be found on my Howard web page at:
http://members.cox.net/n7rk/howard.htm
This is a project that I got 10 years ago and will never get to. The power transformer is OK. Their are some disconnected wires inside.

http://members.cox.net/radiodx3/howard430.JPG
http://members.cox.net/radiodx3/howard4302.JPG
http://members.cox.net/radiodx3/howard4303.JPG
http://members.cox.net/radiodx3/howard4304.JPG
http://members.cox.net/radiodx3/howard4305.JPG

B&W JTCL 80-10 Meter Link Coupled Bandswitching Assembly.....$35
plus shipping
Appears to be complete. Some of the coils need to be re-glued which is
pretty typical
of these old coil assemblies.
http://members.cox.net/radiodx3/bwcoilassy.JPG
http://members.cox.net/radiodx3/bwcoilassy2.JPG
http://members.cox.net/radiodx3/bwcoilassy3.JPG

Air-Dux Coil 80-10 Meter for Linear Amplifier.....$30 plus shipping
Mounts on stand-offs (not included)
http://members.cox.net/radiodx3/airduxassy.JPG
http://members.cox.net/radiodx3/airduxassy2.JPG

2 misc plug-in coils with 6 pin bases.....$12 plus shipping
http://members.cox.net/radiodx3/6pincoils.JPG

B&W 20 Meter JVL and 20 MEL Plug-in Coils.....$14 plus shipping
http://members.cox.net/radiodx3/20jvl.JPG

B&W 80 Meter JVL Plug-in Coil...$10 plus shipping
http://members.cox.net/radiodx3/http://members.cox.net/radiodx3/jvl80.JPG

Heathkit and Drake Original Manuals
I also have the following original Heathkit, National, Drake and a few
other manuals for sale.
List can be viewed here:
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Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

296. Hows everyone holding up?

Yahoo group: glowbugradio
Date: 2009-02-18 22:09:30 UTC
From: Carl
Topic: 296 Message: 296

Its been rather quiet on here recently and I hope everyone is OK.

How about a run down of your current projects?

Mine is building an AC supply for a Multi Elmac AF-67 since Ive had no luck for almost a year trying to find an original one. That will drive a refurbed Dentron Clipperton L as an AM linear to around 400W out. The receiver will be a HQ-140X which is the next project.

Carl
KM1H

297. Re: [glowbugradio] Hows everyone holding up?

Yahoo group: glowbugradio
Date: 2009-02-18 23:27:08 UTC
From: WØQFC
Topic: 296 Message: 297

My current project(s):

Finishing the installation of a 40' crank-up with a 3 el 6M & a 2/440.

Installed a new 18 x 24 pc 1/4 plastic in window with pl-258's to run coax leads into shack.

Finishing the installation of my 'new' NC-303/DX-40; can not get my brass racer to work with the DX-40 though. . . .

Starting the rebuild of a Johnson Signal Sentry to use with the above.

Gene, W?QFC

Stuff for sale: www.w0qfc.shutterfly.com
Web site: www.w0qfc.com

AF&AM #91 Lafayette CO
----- Original Message -----
From: "Carl" <km1h@...>
To: <glowbugradio@yahoogroups.com>
Sent: Wednesday, February 18, 2009 5:09 PM
Subject: [glowbugradio] Hows everyone holding up?

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How about a run down of your current projects?

Mine is building an AC supply for a Multi Elmac AF-67 since Ive had no luck for almost a year trying to find an original one. That will drive a refurbed Dentron Clipperton L as an AM linear to around 400W out. The receiver will be a HQ-140X which is the next project.

Carl
KM1H

Yahoo! Groups Links

298. Re: [glowbugradio] Hows everyone holding up?

Yahoo group: glowbugradio
Date: 2009-02-19 01:12:37 UTC
From: John Ruccolo
Topic: 296 Message: 298

Hi Carl/Folks,

Last Friday night, had my first 75M AM QSO with W1IA of Derry, NH. Quite a thrill.

Current projects included installing a Hustler vertical (until Spring comes and I can do something better), and building a "no mods" PTT keying/muting system for the DX-60B/HR-10B.

This is the *same* line-up on which I made my first Novice CW contacts back in 1974.

An NC-303 will replace the HR-10B soon -- I hope, when I get time to get it on the bench. Later, a Valiant will replace the DX-60B. You all know how this goes -- you gotta fix it before you use it. ;-)

Regards,

John, KC2UAK

--- On Wed, 2/18/09, Carl <km1h@...> wrote:

From: Carl <km1h@...>
Subject: [glowbugradio] Hows everyone holding up?
To: glowbugradio@yahoogroups.com
Date: Wednesday, February 18, 2009, 5:09 PM

Its been rather quiet on here recently and I hope everyone is OK.

How about a run down of your current projects?

Mine is building an AC supply for a Multi Elmac AF-67 since Ive had no
luck for almost a year trying to find an original one. That will drive
a refurbed Dentron Clipperton L as an AM linear to around 400W out. The
receiver will be a HQ-140X which is the next project.

Carl
KM1H

299. Re: [glowbugradio] Hows everyone holding up?

Yahoo group: glowbugradio
Date: 2009-02-19 01:46:00 UTC
From: Barrie Smith
Topic: 296 Message: 299

I've finally got the Hallicrafters HT-4B running well.

The audio problem is in the BC-614 speech amp, so (when it gets warm enough in the shop) I'll trouble-shoot that.

At the moment, I driving the 100TH modulators with a RS 50 watt PA amp, through a CG-512 transformer. Several of the groups I babble with, especially those with 'scopes on their receivers, say my modulation is very good.

I can't get 100% modulation unless I turn the gain of the RS amplifier almost all the way up. I wouldn't think that a pair of 100THs would require 50 watts drive.

So, either the amp isn't 50 watts, or the scheme I'm using on the driver transformer is not correct.

Following a method I read on a site, which recommended a 5,000 ohm resistor across the secondary of the driver transformer, I placed a 5,600 ohm resistor across the secondary.

I've since been told that the resistor is neither desirable, nor necessary.

Any ideas on that?

73, Barrie, W7ALW, Since 1950

300. Re: [glowbugradio] Hows everyone holding up?

Yahoo group: glowbugradio
Date: 2009-02-19 01:53:14 UTC
From: telegrapher@att.net
Topic: 296 Message: 300

Are you using a keyer Gene? There are two methods of keying from some of them. Grid Block and regular type. I've the same type thing here with my MFJ keyer. Use one type for one radio and the other type for another radio.. Got to keep changing cords around.

My FT-690R takes the leads one way and the FT-990 ttakes the leads reversed.

Get a jumper wire and do it under the chassis !!!

Larry
W0OGH

---------- Original message from WØQFC <erastber@...>: ----------

My current project(s):

Finishing the installation of a 40' crank-up with a 3 el 6M & a 2/440.

Installed a new 18 x 24 pc 1/4 plastic in window with pl-258's to run coax leads into shack.

Finishing the installation of my 'new' NC-303/DX-40; can not get my brass racer to work with the DX-40 though. . . .

Starting the rebuild of a Johnson Signal Sentry to use with the above.

Gene, WØQFC

Stuff for sale: www.w0qfc.shutterfly.com
Web site: www.w0qfc.com

AF&AM #91 Lafayette CO
----- Original Message -----
From: "Carl" <km1h@...>
To: <glowbugradio@yahoogroups.com>
Sent: Wednesday, February 18, 2009 5:09 PM
Subject: [glowbugradio] Hows everyone holding up?

Its been rather quiet on here recently and I hope everyone is OK.

How about a run down of your current projects?

Mine is building an AC supply for a Multi Elmac AF-67 since Ive had no luck for almost a year trying to find an original one. That will drive a refurbed Dentron Clipperton L as an AM linear to around 400W out. The receiver will be a HQ-140X which is the next project.

Carl
KM1H

Yahoo! Groups Links

301. Re: [glowbugradio] Hows everyone holding up?

Yahoo group: glowbugradio
Date: 2009-02-19 01:54:11 UTC
From: Jim
Topic: 296 Message: 301

Two thoughts.

1. Don't believe everything you believe on the internet.

2. While one of your friends with a receive scope is watching, lift one end of that 5.6K resistor and see how it looks. It should require only a few seconds of "aaaaah-dee-ohhh" and a calibrated eye on each end to tell you what you need to know.

Incidentally, if the driver XFMR is actually 5K impedance on the output, your 5.6K resistor paralleled on the secondary will reduce the input impedance to the next stage to ~2.5K. Presumably it's intended to see a 5K impedance input, so your mismatch may be causing an issue.

Jim N6OTQ

--- On Wed, 2/18/09, Barrie Smith <barrie@...> wrote:

> Following a method I read
> on a site, which
> recommended a 5,000 ohm resistor across the secondary of
> the driver transformer,
> I placed a 5,600 ohm resistor across the
> secondary.
>
> I've since been told
> that the resistor is neither
> desirable, nor necessary.
>
> Any ideas on
> that?
>

302. Re: [glowbugradio] Hows everyone holding up?

Yahoo group: glowbugradio
Date: 2009-02-19 03:59:41 UTC
From: Barrie Smith
Topic: 296 Message: 302

Two thoughts.

1. Don't believe everything you believe on the internet.

I don't, that's why I posed the question.

2. While one of your friends with a receive scope is watching, lift one end of that 5.6K resistor and see how it looks. It should require only a few seconds of "aaaaah-dee-ohhh" and a calibrated eye on each end to tell you what you need to know.

I'm going to do that.

Incidentally, if the driver XFMR is actually 5K impedance on the output, your 5.6K resistor paralleled on the secondary will reduce the input impedance to the next stage to ~2.5K. Presumably it's intended to see a 5K impedance input, so your mismatch may be causing an issue.

There's not much information available on this transformer. It's a fairly large unit, weighing 12 lbs. I have it wired for 600 ohm input. The output, when measured with AC voltage into the primery, is approx 3.9K on 1/2 the secondary.

I guess I'll know the outcome soon.

Other news here is that I was able to trade 2 NIB 810s (which I'm not attracted to) for 6 NIB 35TGs, 2 NIB 35Ts and 2 NIB 25Ts (all of which suit my fancy very much!).

All have been hipoted and filament checked, with good results.

I'm in the market for PAIRS of small (under 10 pf) piston style neutralizing capacitors.

Jim N6OTQ

BTW: I know you, Jim, from the ham-amplifiers "argumentative group".

73, Barrie, W7ALW

--- On Wed, 2/18/09, Barrie Smith <barrie@...> wrote:

> Following a method I read
> on a site, which
> recommended a 5,000 ohm resistor across the secondary of
> the driver transformer,
> I placed a 5,600 ohm resistor across the
> secondary.
>
> I've since been told
> that the resistor is neither
> desirable, nor necessary.
>

> Any ideas on
> that?
>

303. Vintage TX question

Yahoo group: glowbugradio
Date: 2009-02-19 14:42:57 UTC
From: Carl
Topic: 303 Message: 303

I recently obtained a vintage 500W self contained 813 TX based on a Jan 1954 QST article. The rig was built back then but the PS is a mix of old and new.

The plate xfmr is a UTC CG-305 (this is their high end Commercial Grade) using the 1750-0-1750 winding with a pair K2AW diodes and 8 520uf/400V Mallory 'lytics.

Apparently this has worked well for that builder (SK unfortunately) but Im wondering about the effect on the relatively high impedance secondary without a choke to limit current spiking. The xfmr is rated at 300 ma CCS and I'll be running 250ma max. The rig will only be used on AM with a seperate modulator deck and PS.

A bench test with a Variac and using no load and a 250 ma resistive load looks good with no more than expected heating after 30 minutes under either condition.

Carl
KM1H

304. HP23 heath power supply wtb

Yahoo group: glowbugradio
Date: 2009-02-19 14:53:32 UTC
From: Nathaniel Lee
Topic: 303 Message: 304

Hi All.

I am looking to see if anyone has this power supply for my recently acquired SB101. The prices on eBay are outrageous! I am willing to pick up locally in NH/MA.

Thanks!

Nat Lee

Somersworth, NH

305. Re: [glowbugradio] Vintage TX question

Yahoo group: glowbugradio
Date: 2009-02-19 15:53:07 UTC
From: w7qho
Topic: 303 Message: 305

On Feb 19, 2009, at 6:42:57 AM, Carl <km1h@...> wrote:
Apparently this has worked well for that builder (SK unfortunately) but Im wondering about the effect on the relatively high impedance secondary without a choke to limit current spiking. The xfmr is rated at 300 ma CCS and I'll be running 250ma max. The rig will only be used on AM with a seperate modulator deck and PS.

A bench test with a Variac and using no load and a 250 ma resistive load looks good with no more than expected heating after 30 minutes under either condition.

I would say you've got nothing to worry about.
--
Dennis D. W7QHO
Glendale, CA

306. Re: [glowbugradio] Vintage TX question

Yahoo group: glowbugradio
Date: 2009-02-19 16:05:55 UTC
From: Rod Hogg
Topic: 303 Message: 306

Carl, wouldn't worry about a choke. Running Class C on AM with a seperate PS for modulator, it should just "cackle along" just fine.

Rod
K0EQH

--- On Thu, 2/19/09, Carl <km1h@...> wrote:

From: Carl <km1h@jeremy.mv.com>
Subject: [glowbugradio] Vintage TX question
To: glowbugradio@yahoogroups.com
Date: Thursday, February 19, 2009, 8:42 AM

I recently obtained a vintage 500W self contained 813 TX based on a Jan 1954 QST article. The rig was built back then but the PS is a mix of old and new.

The plate xfmr is a UTC CG-305 (this is their high end Commercial Grade) using the 1750-0-1750 winding with a pair K2AW diodes and 8 520uf/400V Mallory 'lytics.

Apparently this has worked well for that builder (SK unfortunately) but Im wondering about the effect on the relatively high impedance secondary without a choke to limit current spiking. The xfmr is rated at 300 ma CCS and I'll be running 250ma max. The rig will only be used on AM with a seperate modulator deck and PS.

A bench test with a Variac and using no load and a 250 ma resistive load looks good with no more than expected heating after 30 minutes under either condition.

Carl
KM1H

307. Lambda Model 71 P/S (ca. 1955) - Manual?

Yahoo group: glowbugradio
Date: 2009-02-20 01:10:08 UTC
From: Philip Barnes-Roberts WA6DZS
Topic: 307 Message: 307

I was just given(!) this nice old, intact hollow-state power supply, which should be good for many tube projects, and before I even plug the 44-pound beast in, would like to find an Operator/Service Manual/Schematic for it, PDF would be fine.

The front panel claims regulated/metered HV of 0-500VDC @0-200mA (apparently Variac+ VT regulated), Bias of -0-50VDC @5.5kohm or -0-200VDC @2.5kohm, and two 6.5VAC @5A (series or parallel, for 13V/5A or 6.5V/10A) from 105-125VAC @50-60CPS input, with jugs visible through the side perforations.

Mike KE0ZU may have one, but haven't seen his Xerox yet, and just received just a one-page PDF schematic from TDK-Lambda support, all they have in their docs (claimed back to 1948 on their Website). Anybody?

If there's interest, I'd like to add it to BAMA.

--
'---O=o=O---'
73, Phil Barnes-Roberts WA6DZS < Mailto:pbarnrob at acm dot org >
"BETTER is the Mortal Enemy of Good Enough" --Dave Norris, JPL Eng.

308. Tube Tester

Yahoo group: glowbugradio
Date: 2009-02-20 04:17:34 UTC
From: dmonte42
Topic: 308 Message: 308

I'm in a small town and know no one with a tube tester. I do run some older stuff and would like to check out some of these tubes...audio and transmitting. Went to e-Bay and was intimdated with what is available. I'm seeking someting that will evaluate up to a 572B transmitting tube. Any suggestions?
TIA
Dale AD7NQ

309. Re: [glowbugradio] Tube Tester

Yahoo group: glowbugradio
Date: 2009-02-20 11:59:29 UTC
From: Carl
Topic: 308 Message: 309

Yes, Hickocks are expensive but there are alternatives if you dont mind doing a little work.

The Hickok designed TV-7 and I-177 series of military testers are still available in huge numbers and are not overly expensive. A bit of refurb is usually required but there is no end of info on the Internet. Note that the I-177 only tests up to the 7 pin miniature; the adapter costs more than the tester.

For a bit less the Jackson 648S is the best of the emissions testers IMO. The S version has sockets for all types and some of the earlier models are limited. Getting the settings data can be a chore as the books often go missing but I have them all on the PC. There is also a $25 book out there with all listings, history, alignment. etc.

I use a Hickok 752A, TV-7C and I-177 for various purposes and overhauled a 648S for my guitar pro son as a Christmas present. I was impressed by its performance compared to the others mentioned.

The 572B doesnt show on any list but is tested as an 811A; its the same tube except for plate construction.

Carl
KM1H

----- Original Message -----
From: "dmonte42" <dmpm@...>
To: <glowbugradio@yahoogroups.com>
Sent: Thursday, February 19, 2009 11:17 PM
Subject: [glowbugradio] Tube Tester

I'm in a small town and know no one with a tube tester. I do run some older stuff and would like to check out some of these tubes...audio and transmitting. Went to e-Bay and was intimdated with what is available. I'm seeking someting that will evaluate up to a 572B transmitting tube. Any suggestions?
TIA
Dale AD7NQ

310. FW: [Marconi-Net] Gear for sale

Yahoo group: glowbugradio
Date: 2009-02-23 00:20:00 UTC
From: Theosleaper
Topic: 310 Message: 310

-----Original Message-----
From: Marconi-Net@yahoogroups.com [mailto:Marconi-Net@yahoogroups.com] On Behalf Of fredrick d thumhart jr
Sent: Sunday, February 22, 2009 7:11 PM
To: marconi-net@yahoogroups.com
Subject: [Marconi-Net] Gear for sale

?
Hi Fred

I've got a number of Boatanchors I have to thin out before the XYL decides to move us to Minnesota. Complete Apache/Mohawk/Warrior station (pix on QRZ), B&W 5100/51SB, Valiant, DX100B, HQ170A,CE20A/VFO/some other gear, test equip, and tons of parts.

contact Ed KB2NSP via e-mail at kb2nsp@...

_____
Meet your Home Improvement needs. The Home and Garden Directory.

311. FS: Gonset G-66 Receiver and Gonest G-77 Transmitters

Yahoo group: glowbugradio
Date: 2009-03-03 22:03:51 UTC
From: David Hollander
Topic: 311 Message: 311

I have a bunch of 1950's Gonset mobile equipment for sale.

All untested as found. Some bonehead painted some of the gear blue.

All gear appears to be complete except their are no connecting cables.

Prices do not include shipping. I will ship overseas.

Reasonable offers accepted :-)

Thanks for looking and 73.....Dave N7RK

Gonset G-66 Mobile Receiver with Power Supply, Extra Power Supply and
Original Manual.....$135 plus shipping

http://members.cox.net/radiodx5/g66rcvr.jpg
http://members.cox.net/radiodx5/g66rcvr2.jpg
http://members.cox.net/radiodx5/g66rcvr3.jpg
http://members.cox.net/radiodx5/g66rcvr4.jpg
http://members.cox.net/radiodx5/g66rcvr5.jpg
http://members.cox.net/radiodx5/g66rcvr6.jpg
http://members.cox.net/radiodx5/g66rcvrmanual.jpg

Gonset G-77 Transmitter with Power Supply/ Modulator and Original
Manual.....$135 plus shipping

http://members.cox.net/radiodx5/g77xmtr1.jpg
http://members.cox.net/radiodx5/g77xmtr12.jpg
http://members.cox.net/radiodx5/g77xmtr13.jpg
http://members.cox.net/radiodx5/g77xmtr14.jpg
http://members.cox.net/radiodx5/g77xmtrmanual.jpg

Gonset G-77 Transmitter with Power Supply/ Modulator.....$125
plus shipping

http://members.cox.net/radiodx5/g77xmtr2.jpg
http://members.cox.net/radiodx5/g77xmtr22.jpg
http://members.cox.net/radiodx5/g77xmtr23.jpg
http://members.cox.net/radiodx5/g77xmtr24.jpg

or $325 plus shipping for everything

--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

312. FS: Heathkit, Hammarlund, Gonset, Military, Drake and Howard

Yahoo group: glowbugradio
Date: 2009-03-09 15:22:28 UTC
From: David Hollander
Topic: 312 Message: 312

I have a bunch of equipment for sale.

I don?t have any of the connecting cables for the Gonsets or Heathkits
and I don?t have a power supply for the Heathkits so they are untested .

Prices do not include shipping. I will ship overseas.

Thanks for looking and 73.....Dave N7RK

Heathkit HR-20 Receiver.....$175 plus shipping
Very clean unit inside and out with a few light scratches on the top.
Includes a copy of the manual on CD
http://members.cox.net/radiodx3/heathhr20.JPG
http://members.cox.net/radiodx3/heathhr202.JPG

Heathkit HX-20 Transmitter.....$135 plus shipping
Very clean unit inside and out but has some mods which can be seen in
the photos. I don?t know what the mods are
http://members.cox.net/radiodx3/heathhx20.JPG
http://members.cox.net/radiodx3/heathhx202.JPG

Hammarlund S-200 Speaker.....$90 plus shipping
Nice clean speaker with no dings or dents. Sounds excellent.
http://members.cox.net/radiodx3/hamm_spkr.JPG
http://members.cox.net/radiodx3/hamm_spkr4.JPG

Gonset G-66 Mobile Receiver with Power Supply and Original
Manual.....$135 plus shipping
Some bonehead painted this blue.
http://members.cox.net/radiodx5/g66rcvr.jpg
http://members.cox.net/radiodx5/g66rcvr2.jpg
http://members.cox.net/radiodx5/g66rcvr3.jpg
http://members.cox.net/radiodx5/g66rcvr4.jpg
http://members.cox.net/radiodx5/g66rcvr5.jpg
http://members.cox.net/radiodx5/g66rcvr6.jpg
http://members.cox.net/radiodx5/g66rcvrmanual.jpg

Gonset G-77 Transmitter with Power Supply/ Modulator.....$125
plus shipping
http://members.cox.net/radiodx5/g77xmtr1.jpg
http://members.cox.net/radiodx5/g77xmtr12.jpg
http://members.cox.net/radiodx5/g77xmtr13.jpg
http://members.cox.net/radiodx5/g77xmtr14.jpg
http://members.cox.net/radiodx5/g77xmtrmanual.jpg

or $225 plus shipping for the pair of Gonset?s

BC-348-R Receiver with Shock Mount....$200 plus shipping
Has ac supply built in and works well. Appears to be all original except
for the ac supply. The case has some corrosion damage on the the back
upper right side. It is only the case, not in the radio.
http://members.cox.net/radiodx3/bc348r.JPG
http://members.cox.net/radiodx3/bc348r2.JPG
http://members.cox.net/radiodx3/bc348r3.JPG
http://members.cox.net/radiodx3/bc348r5.JPG
http://members.cox.net/radiodx3/bc348r6.JPG
http://members.cox.net/radiodx3/bc348r7.JPG
http://members.cox.net/radiodx3/bc348r92.JPG

Heathkit HW-100 Transceiver with Manual.......$120 plus shipping
This is a very clean unit that had been wrapped up and stored for many
years by the original builder/owner. It has a few light scratches but
otherwise very clean. Insides are also very clean. I don't have a power
supply so it is untested. Includes the original manual. I will ship
international.
http://members.cox.net/radiostuff9/hw100.JPG
http://members.cox.net/radiostuff9/hw1002.JPG
http://members.cox.net/radiostuff9/hw1003.JPG
http://members.cox.net/radiostuff9/hw1004.JPG
http://members.cox.net/radiostuff9/hw1005.JPG
http://members.cox.net/radiostuff9/hw1006.JPG

Howard 430 Receiver.................$80 plus shipping
This is a 6 tube communications receiver with internal speaker built in
1939 and 1940. More info can be found on my Howard web page at:
http://members.cox.net/n7rk/howard.htm
This is a project that I got 10 years ago and will never get to. The
power transformer is OK. Their are some disconnected wires inside.
http://members.cox.net/radiodx3/howard430.JPG
http://members.cox.net/radiodx3/howard4302.JPG
http://members.cox.net/radiodx3/howard4303.JPG
http://members.cox.net/radiodx3/howard4304.JPG
http://members.cox.net/radiodx3/howard4305.JPG

Heathkit and Drake Original Manuals
I also have the following original Heathkit, National, Drake and a few
other manuals for sale.
List can be viewed here:
http://members.cox.net/radiostuff9/manuals_fs.htm

I still have a bunch of Drake TR-7 Parts available.

****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

313. LOOKING FOR PARTS IN THE VANCOUVER AREA FOR FTDX400

Yahoo group: glowbugradio
Date: 2009-03-18 02:47:12 UTC
From: va7cmz
Topic: 313 Message: 313

HI!

Does anybody know a good source for parts/tubes for old Yaesu rigs?

Chris

314. FS: Military, Heathkit, Hallicrafters, Howard, Eico and Other Stuff

Yahoo group: glowbugradio
Date: 2009-03-31 21:48:41 UTC
From: David Hollander
Topic: 314 Message: 314

I have a bunch of stuff that is tired of living in my garage and needs
new homes.

Prices do not include shipping. I will ship overseas.

Reasonable offers accepted :-)

Thanks for looking and 73.....Dave N7RK

BC-348-R Receiver with with FT-154 Shock Mount....$200 plus shipping
Has ac supply built in and works well. Appears to be all original except
for the ac supply. The case has some corrosion damage on the the back
upper right side. It is only the case, not in the radio.
http://members.cox.net/radiodx3/bc348r.JPG
http://members.cox.net/radiodx3/bc348r2.JPG
http://members.cox.net/radiodx3/bc348r3.JPG
http://members.cox.net/radiodx3/bc348r5.JPG
http://members.cox.net/radiodx3/bc348r6.JPG
http://members.cox.net/radiodx3/bc348r7.JPG
http://members.cox.net/radiodx3/bc348r92.JPG

LS-11 Military Loudspeaker...$40 plus shipping
Clean, working unit
http://members.cox.net/radiodx5/ls11.JPG
http://members.cox.net/radiodx5/ls112.JPG

Hallicrafters S-118 Receiver.....$35 plus shipping
Works quite well but cosmetically challenged. I have never seen one of
these before and it is much better than an S-120 which looks very
similar. Face is cracked as can be seen in photos. Back cover is split
but can be fixed.
http://members.cox.net/radiodx5/hallis_118.JPG
http://members.cox.net/radiodx5/hallis_1182.JPG
http://members.cox.net/radiodx5/hallis_1183.JPG
http://members.cox.net/radiodx5/hallis_1184.JPG

Heathkit AR-2 Receiver.....$30 plus shipping
Works but cosmetically challenged.
http://members.cox.net/radiodx5/heath_ar2.JPG
http://members.cox.net/radiodx5/heath_ar22.JPG
http://members.cox.net/radiodx5/heath_ar23.JPG
http://members.cox.net/radiodx5/heath_ar24.JPG

Howard 430 Receiver.....$75 plus shipping
This is a 6 tube communications receiver with internal speaker built in
1939 and 1940. More info can be found on my Howard web page at:
http://members.cox.net/n7rk/howard.htm

This is a project that I got 10 years ago and will never get to. The
power transformer is OK. Their are some disconnected wires inside.
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http://members.cox.net/radiodx3/howard4302.JPG
http://members.cox.net/radiodx3/howard4303.JPG
http://members.cox.net/radiodx3/howard4304.JPG
http://members.cox.net/radiodx3/howard4305.JPG

Eico 950B Capacitor Checker....$50 plus shipping
Clean, working unit with photocopy of manual.
http://members.cox.net/radiodx5/eico950b.JPG
http://members.cox.net/radiodx5/eico950b2.JPG
http://members.cox.net/radiodx5/eico950b3.JPG

Heathkit PS-3 Adjustable High Voltage Power Supply.....$125 plus shipping
Clean, working unit with photocopy of partial manual. Good up to 500 volts.
http://members.cox.net/radiodx5/heathps3.JPG

Heathkit IG-42 Signal Generator........$50 plus shipping
Clean, working unit with photocopy of manual.
http://members.cox.net/radiodx5/heath_ig42.JPG
http://members.cox.net/radiodx5/heath_ig422.JPG

RCA WR-50B Signal Generator....$40 plus shipping
Clean, working unit with photocopy of manual.
http://members.cox.net/radiodx5/rca_wr50b.JPG
http://members.cox.net/radiodx5/rca_wr50b2.JPG

7.5 Amp Japanese Variac new in the box - $40 plus shipping
http://members.cox.net/radiodx5/ja_variac.JPG
http://members.cox.net/radiodx5/ja_variac2.JPG

Heathkit and Drake Original Manuals
I also have the following original Heathkit, National, Drake and a few
other manuals for sale.
List can be viewed here:
http://members.cox.net/radiostuff9/manuals_fs.htm

I will be adding another 200 original and many unusual Heathkit manuals
as soon as I finish the list.

--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

315. Re: [glowbugradio] FS: Military, Heathkit, Hallicrafters, Howard, Eico and Other Stuff

Yahoo group: glowbugradio
Date: 2009-03-31 23:31:13 UTC
From: Gary Pewitt
Topic: 314 Message: 315

Dave, I'd like the variac please. Thanks and 73 Gary N9ZSV

David Hollander wrote:
>
> I have a bunch of stuff that is tired of living in my garage and needs
> new homes.
>
> Prices do not include shipping. I will ship overseas.
>
> Reasonable offers accepted :-)
>
> Thanks for looking and 73.....Dave N7RK
>
> BC-348-R Receiver with with FT-154 Shock Mount....$200 plus shipping
> Has ac supply built in and works well. Appears to be all original except
> for the ac supply. The case has some corrosion damage on the the back
> upper right side. It is only the case, not in the radio.
> http://members.cox.net/radiodx3/bc348r.JPG
> <http://members.cox.net/radiodx3/bc348r.JPG>
> http://members.cox.net/radiodx3/bc348r2.JPG
> <http://members.cox.net/radiodx3/bc348r2.JPG>
> http://members.cox.net/radiodx3/bc348r3.JPG
> <http://members.cox.net/radiodx3/bc348r3.JPG>
> http://members.cox.net/radiodx3/bc348r5.JPG
> <http://members.cox.net/radiodx3/bc348r5.JPG>
> http://members.cox.net/radiodx3/bc348r6.JPG
> <http://members.cox.net/radiodx3/bc348r6.JPG>
> http://members.cox.net/radiodx3/bc348r7.JPG
> <http://members.cox.net/radiodx3/bc348r7.JPG>
> http://members.cox.net/radiodx3/bc348r92.JPG
> <http://members.cox.net/radiodx3/bc348r92.JPG>
>
> LS-11 Military Loudspeaker...$40 plus shipping
> Clean, working unit
> http://members.cox.net/radiodx5/ls11.JPG
> <http://members.cox.net/radiodx5/ls11.JPG>
> http://members.cox.net/radiodx5/ls112.JPG
> <http://members.cox.net/radiodx5/ls112.JPG>
>
> Hallicrafters S-118 Receiver.....$35 plus shipping
> Works quite well but cosmetically challenged. I have never seen one of
> these before and it is much better than an S-120 which looks very
> similar. Face is cracked as can be seen in photos. Back cover is split
> but can be fixed.

> http://members.cox.net/radiodx5/hallis_118.JPG
> <http://members.cox.net/radiodx5/hallis_118.JPG>
> http://members.cox.net/radiodx5/hallis_1182.JPG
> <http://members.cox.net/radiodx5/hallis_1182.JPG>
> http://members.cox.net/radiodx5/hallis_1183.JPG
> <http://members.cox.net/radiodx5/hallis_1183.JPG>
> http://members.cox.net/radiodx5/hallis_1184.JPG
> <http://members.cox.net/radiodx5/hallis_1184.JPG>
>
> Heathkit AR-2 Receiver.....$30 plus shipping
> Works but cosmetically challenged.
> http://members.cox.net/radiodx5/heath_ar2.JPG
> <http://members.cox.net/radiodx5/heath_ar2.JPG>
> http://members.cox.net/radiodx5/heath_ar22.JPG
> <http://members.cox.net/radiodx5/heath_ar22.JPG>
> http://members.cox.net/radiodx5/heath_ar23.JPG
> <http://members.cox.net/radiodx5/heath_ar23.JPG>
> http://members.cox.net/radiodx5/heath_ar24.JPG
> <http://members.cox.net/radiodx5/heath_ar24.JPG>
>
> Howard 430 Receiver.....$75 plus shipping
> This is a 6 tube communications receiver with internal speaker built in
> 1939 and 1940. More info can be found on my Howard web page at:
> http://members.cox.net/n7rk/howard.htm
> <http://members.cox.net/n7rk/howard.htm>
> This is a project that I got 10 years ago and will never get to. The
> power transformer is OK. Their are some disconnected wires inside.
> http://members.cox.net/radiodx3/howard430.JPG
> <http://members.cox.net/radiodx3/howard430.JPG>
> http://members.cox.net/radiodx3/howard4302.JPG
> <http://members.cox.net/radiodx3/howard4302.JPG>
> http://members.cox.net/radiodx3/howard4303.JPG
> <http://members.cox.net/radiodx3/howard4303.JPG>
> http://members.cox.net/radiodx3/howard4304.JPG
> <http://members.cox.net/radiodx3/howard4304.JPG>
> http://members.cox.net/radiodx3/howard4305.JPG
> <http://members.cox.net/radiodx3/howard4305.JPG>
>
> Eico 950B Capacitor Checker....$50 plus shipping
> Clean, working unit with photocopy of manual.
> http://members.cox.net/radiodx5/eico950b.JPG
> <http://members.cox.net/radiodx5/eico950b.JPG>
> http://members.cox.net/radiodx5/eico950b2.JPG
> <http://members.cox.net/radiodx5/eico950b2.JPG>
> http://members.cox.net/radiodx5/eico950b3.JPG
> <http://members.cox.net/radiodx5/eico950b3.JPG>
>
> Heathkit PS-3 Adjustable High Voltage Power Supply.....$125 plus shipping
> Clean, working unit with photocopy of partial manual. Good up to 500
> volts.

> http://members.cox.net/radiodx5/heathps3.JPG
> <http://members.cox.net/radiodx5/heathps3.JPG>
>
> Heathkit IG-42 Signal Generator.....$50 plus shipping
> Clean, working unit with photocopy of manual.
> http://members.cox.net/radiodx5/heath_ig42.JPG
> <http://members.cox.net/radiodx5/heath_ig42.JPG>
> http://members.cox.net/radiodx5/heath_ig422.JPG
> <http://members.cox.net/radiodx5/heath_ig422.JPG>
>
> RCA WR-50B Signal Generator....$40 plus shipping
> Clean, working unit with photocopy of manual.
> http://members.cox.net/radiodx5/rca_wr50b.JPG
> <http://members.cox.net/radiodx5/rca_wr50b.JPG>
> http://members.cox.net/radiodx5/rca_wr50b2.JPG
> <http://members.cox.net/radiodx5/rca_wr50b2.JPG>
>
> 7.5 Amp Japanese Variac new in the box - $40 plus shipping
> http://members.cox.net/radiodx5/ja_variac.JPG
> <http://members.cox.net/radiodx5/ja_variac.JPG>
> http://members.cox.net/radiodx5/ja_variac2.JPG
> <http://members.cox.net/radiodx5/ja_variac2.JPG>
>
> Heathkit and Drake Original Manuals
> I also have the following original Heathkit, National, Drake and a few
> other manuals for sale.
> List can be viewed here:
> http://members.cox.net/radiostuff9/manuals_fs.htm
> <http://members.cox.net/radiostuff9/manuals_fs.htm>
>
> I will be adding another 200 original and many unusual Heathkit manuals
> as soon as I finish the list.
>
> --
> **
> Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
> <http://members.cox.net/n7rk>
> Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*
>
> ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX
>
> Boatanchor and Antique Radio Collector
>
>

316. Re: [glowbugradio] FS: Military, Heathkit, Hallicrafters, Howard, Eico and Other Stuff

Yahoo group: glowbugradio
Date: 2009-03-31 23:34:09 UTC
From: David Hollander
Topic: 314 Message: 316

Hi Gary - the variac is yours. Add $12 for priority mail shipping.

Please send $52 to my paypal address which is: n7rk@...

or

a personal check or money order to:

Dave Hollander
2007 East Orangewood Ave
Phoenix, AZ 85020

Please confirm payment method and your shipping address.

Thanks,

Dave N7RK

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****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

317. FS: Heathkit, Hallicrafters, Gonset, WRL, Yaesu. Military, Regency and Other Stuff

Yahoo group: glowbugradio
Date: 2009-04-12 01:05:22 UTC
From: David Hollander
Topic: 317 Message: 317

I have a bunch of equipment for sale. Prices do not include shipping.
I will ship overseas.

Reasonable offers accepted :-)

Thanks for looking and 73.....Dave N7RK

Heathkit HR-10 Receiver.....$100 plus shipping
Clean working receiver with manual photocopy
http://members.cox.net/radiodx5/heathhr10.JPG
http://members.cox.net/radiodx5/heathhr102.JPG
http://members.cox.net/radiodx5/heathhr103.JPG
http://members.cox.net/radiodx5/heathhr104.JPG

Heathkit GR-64 Receiver.....$40 plus shipping
Working receiver with manual photocopy. Cosmetically challenged as it
has a crack on the front which can be seen in the photos.
http://members.cox.net/radiodx5/heathgr64.JPG
http://members.cox.net/radiodx5/heathgr642.JPG
http://members.cox.net/radiodx5/heathgr643.JPG
http://members.cox.net/radiodx5/heathgr644.JPG

Heath HG-10B VFO #1.....$90 plus shipping
Clean unit but untested with manual photocopy
http://members.cox.net/radiodx5/hg10b.JPG
http://members.cox.net/radiodx5/hg10b2.JPG

Heath HG-10B VFO #2.....$80 plus shipping
Clean unit but untested with manual photocopy. Dial needs to be restrung
http://members.cox.net/radiodx5/hg10b3.JPG
http://members.cox.net/radiodx5/hg10b32.JPG

Heathkit SB-620 Monitor Scope.....$200 plus shipping
Clean working unit with original manual
http://members.cox.net/radiodx5/heathsb620.JPG
http://members.cox.net/radiodx5/heathsb6202.JPG
http://members.cox.net/radiodx5/heathsb6203.JPG

Hallicrafters HT-40 Transmitter.....$100 plus shipping
Working unit with manual photocopy. Puts out 50-60 watts on CW and 40
watts carrier on AM. Sounded good on AM on my R-388 monitor receiver..
Has a couple of cosmetic issues - meter has a hole in it and their is a
scratch on the front panel. Both can be seen in the photos.
Had one of these as a novice in 1964
http://members.cox.net/n7rk//history.html

http://members.cox.net/radiodx5/ht40.JPG
http://members.cox.net/radiodx5/ht402.JPG
http://members.cox.net/radiodx5/ht403.JPG
http://members.cox.net/radiodx5/ht404.JPG
http://members.cox.net/radiodx5/ht405.JPG
http://members.cox.net/radiodx5/ht406.JPG

Yaesu FT-101 FR-101 External Speaker.....$50 plus shipping
Clean working speaker for FT-101 transceiver and and FR-101 receiver
http://members.cox.net/radiodx5/yaesu_spkr.JPG
http://members.cox.net/radiodx5/yaesu_spkr2.JPG

WRL Globe Hi-Bander 6 and 2 Meter Transmitter.....$90 plus shipping
Untested by me but used by a friend on our 2 meter AM net about 3 years
ago. Includes a manual photocopy.
http://members.cox.net/radiodx5/globe_hibander.JPG
http://members.cox.net/radiodx5/globe_hibander2.JPG
http://members.cox.net/radiodx5/globe_hibander3.JPG
http://members.cox.net/radiodx5/globe_hibander4.JPG

WRL Globe 6 and 2 Meter VFO.....$90 plus shipping
Untested by me but used by a friend on our 2 meter AM net about 3 years
ago with the Globe Hi-Bander listed above.
http://members.cox.net/radiodx5/globe62vfo.JPG
http://members.cox.net/radiodx5/globe62vfo2.JPG

Or buy the transmitter and VFO together for $150

Gonset G-66 Mobile Receiver with power supply.....$100 plus shipping
Untested as found. Has pitting on the chrome
http://members.cox.net/radiodx5/gonsetg66.JPG
http://members.cox.net/radiodx5/gonsetg662.JPG
http://members.cox.net/radiodx5/gonsetg663.JPG

Gonset G-66 Receiver Separation Cable.....$20 plus shipping
Separates the receiver from the power supply (and Yaesu thought they
were the first with separation kits!)
http://members.cox.net/radiodx5/gonset_cable.JPG

Regency MR-10 VHF Monitor Receiver.....$35 plus shipping
Get rid of that solid state scanner and listen to the local police and
weather on a boatanchor. Fairly clean working unit. I listened to the
local police and the weather with it.
http://members.cox.net/radiodx5/regencymr10.JPG
http://members.cox.net/radiodx5/regencymr102.JPG
http://members.cox.net/radiodx5/regencymr103.JPG

LS-11 Military Loudspeaker.....$40 plus shipping
Clean, working unit
http://members.cox.net/radiodx5/ls11.JPG
http://members.cox.net/radiodx5/ls112.JPG

Howard 430 Receiver.................$75 plus shipping
This is a 6 tube communications receiver with internal speaker built in
1939 and 1940. More info can be found on my Howard web page at:
http://members.cox.net/n7rk/howard.htm
This is a project that I got 10 years ago and will never get to. The
power transformer is OK. Their are some disconnected wires inside.
http://members.cox.net/radiodx3/howard430.JPG
http://members.cox.net/radiodx3/howard4302.JPG
http://members.cox.net/radiodx3/howard4303.JPG
http://members.cox.net/radiodx3/howard4304.JPG
http://members.cox.net/radiodx3/howard4305.JPG

Eico 950B Capacitor Checker....$50 plus shipping
Clean, working unit with photocopy of manual.
http://members.cox.net/radiodx5/eico950b.JPG
http://members.cox.net/radiodx5/eico950b2.JPG
http://members.cox.net/radiodx5/eico950b3.JPG

Heathkit PS-3 Adjustable High Voltage Power Supply....$125 plus shipping
Clean, working unit with photocopy of partial manual. Good up to 500 volts.
http://members.cox.net/radiodx5/heathps3.JPG

Heathkit IG-42 Signal Generator........$50 plus shipping
Clean, working unit with photocopy of manual.
http://members.cox.net/radiodx5/heath_ig42.JPG
http://members.cox.net/radiodx5/heath_ig422.JPG

RCA WR-50B Signal Generator....$40 plus shipping
Clean, working unit with photocopy of manual.
http://members.cox.net/radiodx5/rca_wr50b.JPG
http://members.cox.net/radiodx5/rca_wr50b2.JPG

Heathkit and Drake Original Manuals
I also have the added around 200 original Heathkit manuals to my web
page plus a few National, Drake and other manuals for sale. List can be
viewed here: http://members.cox.net/radiostuff9/manuals_fs.htm
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****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

318. Hallicrafters HT-32 Parts Available

Yahoo group: glowbugradio
Date: 2009-04-16 15:33:01 UTC
From: David Hollander
Topic: 318 Message: 318

Have lot's of parts from an HT-32A including knobs, panel, enclosure,
and many other parts. No power transformer. I have photos of all parts also.

Please e-mail with your needs.

Tnx and 73,

Dave N7RK

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****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

319. Re: [glowbugradio] Hallicrafters HT-32 Parts Available

Yahoo group: glowbugradio
Date: 2009-04-16 19:21:11 UTC
From: Paul Kraemer
Topic: 318 Message: 319

Dave
How much for enclosure and front panel?
Thanks
Paul K0UYA
----- Original Message -----
From: David Hollander
To: HallicraftersRadios@yahoogroups.com ; BOATANCHORS ; BOATANCHORS@... ; Forsale-Swap Net ; glowbugradio@yahoogroups.com
Sent: Thursday, April 16, 2009 10:33 AM
Subject: [glowbugradio] Hallicrafters HT-32 Parts Available

Have lot's of parts from an HT-32A including knobs, panel, enclosure,
and many other parts. No power transformer. I have photos of all parts also.

Please e-mail with your needs.

Tnx and 73,

Dave N7RK

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****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

320. FS: Heathkit, WRL, Gonset, Yaesu, Howard, Eico and More

Yahoo group: glowbugradio
Date: 2009-04-18 13:51:32 UTC
From: David Hollander
Topic: 320 Message: 320

I have a bunch of equipment for sale. Prices do not include shipping.
I will ship overseas.

Thanks for looking and 73.....Dave N7RK

Heathkit HR-10 Receiver.....$100 plus shipping
Clean working receiver with manual photocopy
http://members.cox.net/radiodx5/heathhr10.JPG
http://members.cox.net/radiodx5/heathhr102.JPG
http://members.cox.net/radiodx5/heathhr103.JPG
http://members.cox.net/radiodx5/heathhr104.JPG

Heathkit GR-64 Receiver.....$40 plus shipping
Working receiver with manual photocopy. Cosmetically challenged as it
has a crack on the front which can be seen in the photos.
http://members.cox.net/radiodx5/heathgr64.JPG
http://members.cox.net/radiodx5/heathgr642.JPG
http://members.cox.net/radiodx5/heathgr643.JPG
http://members.cox.net/radiodx5/heathgr644.JPG

Heath HG-10B VFO.....$75 plus shipping
Clean unit but untested with manual photocopy. Dial needs to be restrung
http://members.cox.net/radiodx5/hg10b3.JPG
http://members.cox.net/radiodx5/hg10b32.JPG

Heathkit SB-620 Scanalyzer Scope.....$200 plus shipping
Clean working unit with original manual
http://members.cox.net/radiodx5/heathsb620.JPG
http://members.cox.net/radiodx5/heathsb6202.JPG
http://members.cox.net/radiodx5/heathsb6203.JPG

Yaesu FT-101 FR-101 External Speaker.....$50 plus shipping
Clean working speaker for FT-101 transceiver and and FR-101 receiver
http://members.cox.net/radiodx5/yaesu_spkr.JPG
http://members.cox.net/radiodx5/yaesu_spkr2.JPG

WRL Globe Hi-Bander 6 and 2 Meter Transmitter.....$90 plus shipping
Untested by me but used by a friend on our 2 meter AM net about 3 years
ago. Includes a manual photocopy.
http://members.cox.net/radiodx5/globe_hibander.JPG
http://members.cox.net/radiodx5/globe_hibander2.JPG
http://members.cox.net/radiodx5/globe_hibander3.JPG
http://members.cox.net/radiodx5/globe_hibander4.JPG

WRL Globe 6 and 2 Meter VFO.....$90 plus shipping
Untested by me but used by a friend on our 2 meter AM net about 3 years
ago with the Globe Hi-Bander listed above.

http://members.cox.net/radiodx5/globe62vfo.JPG
http://members.cox.net/radiodx5/globe62vfo2.JPG

Or buy the transmitter and VFO for $150

Gonset G-66 Mobile Receiver with power supply.....$100 plus shipping
Untested as found. Has pitting on the chrome
http://members.cox.net/radiodx5/gonsetg66.JPG
http://members.cox.net/radiodx5/gonsetg662.JPG
http://members.cox.net/radiodx5/gonsetg663.JPG

Regency MR-10 VHF Monitor Receiver.....$35 plus shipping
Get rid of theat solid state scanner! Listen to the local police and
weather on a boatanchor.
Fairly clean working unit. I lsitened to the local police and the
weather with it.
http://members.cox.net/radiodx5/regencymr10.JPG
http://members.cox.net/radiodx5/regencymr102.JPG
http://members.cox.net/radiodx5/regencymr103.JPG

LS-11 Military Loudspeaker.....$40 plus shipping
Clean, working unit
http://members.cox.net/radiodx5/ls11.JPG
http://members.cox.net/radiodx5/ls112.JPG

Howard 430 Receiver.....$75 plus shipping
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1939 and 1940. More info can be found on my Howard web page at:
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http://members.cox.net/radiodx3/howard4303.JPG
http://members.cox.net/radiodx3/howard4304.JPG
http://members.cox.net/radiodx3/howard4305.JPG

Eico 950B Capacitor Checker....$45 plus shipping
Clean, working unit with photocopy of manual.
http://members.cox.net/radiodx5/eico950b.JPG
http://members.cox.net/radiodx5/eico950b2.JPG
http://members.cox.net/radiodx5/eico950b3.JPG

Heathkit PS-3 Adjustable HV Power Supply.....$125 plus shipping
Clean, working unit with photocopy of partial manual. Good up to 500 volts.
http://members.cox.net/radiodx5/heathps3.JPG

Heathkit IG-42 Signal Generator.....$50 plus shipping
Clean, working unit with photocopy of manual.
http://members.cox.net/radiodx5/heath_ig42.JPG
http://members.cox.net/radiodx5/heath_ig422.JPG

Heathkit Original Manuals
I recently added around 200 original Heathkit manuals to my web page
plus a few National, Drake and other manuals for sale.
List can be viewed here: http://members.cox.net/radiostuff9/manuals_fs.htm

321. HRO-60 rebuild

Yahoo group: glowbugradio
Date: 2009-04-26 23:40:23 UTC
From: Carl
Topic: 321 Message: 321

The HRO-60 is one of the best of the tube communications receivers and was in production from 1952-68 which included some custom configurations for specific commercial and government customers worldwide. The last standard production run sold for $750.

I obtained this one thru a friend who picked it up in an estate sale supposedly working. Of course it did nothing but make obnoxious noises so it wound up here for repair. Once I showed him the hack job under the chassis and detailed what still needed to be done I wound up owning it.

After repairing the miswired power supply the next step was to find the miswired and wrong value Orange Drops along with the two paper caps that were missed. Then cleaned up as much of the sloppy OJ installs as I could. Thankfully this production run had several .005 uF disc caps which had been left alone. Then the fun began.

After replacing 21 resistors, 3 dogbone caps and 2 mica caps that were way out of tolerance or leaky it started to show some life on the 1.7 to 4 mc D range coil set. I used NOS Allen Bradley carbon resistors rather than modern film in keeping with the era appearance; all measured as new.

All tubes looked new and tested fine on my Hickok 752A.

Following the alignment instructions I started with the 7-14.4mc B range coils. Signals were heard on the 35' basement antenna so that was a start anyway. After aligning the three stage 455kc IF and crystal filter I decided to check the IF stage gain; it was way down around 300 uv where the spec is 150 uv +/- 20. So I wound up swapping 6SG7's with my new and used spares until no further improvement was possible and I measured 160 uv. One used Raytheon was better than any new one. The first IF has a factory selected cathode resistor between 100-1000 Ohms and a 1000 was installed. Allowing for tube aging I replaced it with a 1000 Ohm trim pot right at the socket and set for exactly 150 uv.

The next step was the second conversion mixer stage. About 10 seconds into tweaking a coil slug the signal vanished. The trusty DMM confirmed an open oscillator coil. This was simple to remove and the open Litz wire at a solder connection was easily spotted and repaired. While at it I replaced a slightly out of spec resistor plus a dogbone and two micas as preventative maintenance. After aligning the oscillator and IF and doing stage gain again I found it also quite low. With a handful of used and NIB 6BE6's I picked a nice hot NIB JAN Sylvania for a full spec reading. About 10 minutes later it died! Probing brought it to life every time with a solder pik on the grid pin. It also came to life after a short cool down but soon died. There was a 33 Ohm resistor between grid pin and coil can that measured 36 Ohms earlier so I left it alone. The later schematic shows 100 Ohms so with that installed its solid again. That was a strange and unexpected failure mode with such a low value resistor.

The next step was the front end coil pack alignment and I started with the 14-30 mc A range which was almost dead. After repairing another coil wire I did the alignment and the AM sensitivity results were pretty stinko. About 1.7uv for a 10 dB S+N/N ratio at 30 mc. More tube swapping resulted in a used CBS 6BE6, a NIB JAN Sylvania 6BA6 2nd RF, and a used RCA

6BA6 1st RF with alignment at each step. This resulted in a .8uv sensitivity which is par for the course with the front end tubes used and National made no changes as better ones came along.

So much for using a tube tester as the final word which has been drummed into me going back to Navy ET school in 1960.

The B and C ranges went smooth but the D would not track within 25 kc at the low end. So the oscillator module came out as it would require changing a fixed cap. The schematic shows 1600pf but a 1700 that measured 1731pf was factory installed. A new 1800pf 1000V silver mica worked perfect and the overkill size resulted in almost no drift.

So now that it was performing as expected in 1952 the next step was to make it better. I went to my favorite hot rod 6GM6 and made a few circuit changes to meet the B+ and bias specs; otherwise its a pin compatible swap in most radios for a large number of 7 pin tubes. It made a nice oscillator! So then I replaced the OJ's directly in the RF bypassing with discs, added a 10 Ohm resistor in the grid lead and 100 Ohm in the screen with another .02 disc and everything is nice and calm. Thats a requirement with several swaps as Im going from a tube with a transconductance of 4400 to 13000. That is also the same oscillation taming I use on 30's radios RF and IF stages after the old paper caps are replaced.

The final 30mc AM sensitivity is .35uv which is right up there with the best and even many high end modern SS.

Last evening I hooked it up at the ham station on real antennas and had no problem making CW and AM contacts on 80-20M and it heard as well as a souped up TS-940.

Today I will clean up the 6GM6 area and also go with the A-B carbons but the photo clearly (See the Photo section) shows whats involved in the swap. The dropping resistor off the 250V B+ line is 10K 2W which results in 127V. The cathode resistor is 56 Ohms. Other sets may vary depending on line voltage and if an original transformer is used. The 6GM6 factory data sheet is here
http://tubes.mkdw.net/sheets/106/6/6GM6.pdf

Radios with only a single RF stage will benefit even more with that swap. Other tubes are available such as the 6KT6 which has a transconductance of 18000. I didnt think it was necessary in this radio but would be interesting to try elsewhere or in a homebrew. Stabilizing it may be a challenge.

I also changed a few other components to agree with the latest factory schematic but they werent in the RF path.

Carl
KM1H
National Radio 1963-69
Service Tech, Service Manager
Member of NCL-2000 and NCX-1000 Design Teams

322. Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 15:12:42 UTC
From: Carl
Topic: 322 Message: 322

Is there any way to split a PDF file in half in order to meet the forum uploading size limits?

Im trying to upload the 1965 final manual version of the HRO-60 which is not the one on BAMA or sold on the Internet. It contains all the circuit changes and error corrections.

Carl
KM1H

323. Will be taking AN/ART-13 xmtters to Dayton

Yahoo group: glowbugradio
Date: 2009-04-27 15:28:06 UTC
From: wa4uso
Topic: 323 Message: 323

I will be taking AN/ART-13 xmtters to Dayton this year, if anyone is interested let me know and I will get you the flee market space number. Also have one of the antenna tuning units I can bring if you are really interested. I will keep you posted, thanks 73 wa4uso Darrell

324. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 15:41:08 UTC
From: K0DAN
Topic: 322 Message: 324

There's a pair of programs named SLICE and SPLICE (see GOOGLE) which will break (slice) ANY file into ANY number of pieces of you want.

The only catch is, to reassemble (splice) them, the party on the other end needs to run the SPLICE utility on all the pieces.

You're probably looking for something a little less user-intensive, however SLICE/SPLICE will do the job, and have saved my bacon several times when email size restrictions prohibited transferring large files.

Good luck.

73

dan
k0dan

----- Original Message -----
From: "Carl" <km1h@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, April 27, 2009 10:12 AM
Subject: [glowbugradio] Help with Pdf files

> Is there any way to split a PDF file in half in order to meet the forum
> uploading size limits?
>
> Im trying to upload the 1965 final manual version of the HRO-60 which is
> not the one on BAMA or sold on the Internet. It contains all the circuit
> changes and error corrections.
>
> Carl
> KM1H
>
>
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

325. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 16:03:08 UTC
From: Deane McIntyre
Topic: 322 Message: 325

This message was transferred with a trial version of CommuniGate(tm) Pro

On 27-Apr-09, at 9:12 AM, Carl wrote:

>
>
> Is there any way to split a PDF file in half in order to meet the
> forum uploading size limits?
>
> Im trying to upload the 1965 final manual version of the HRO-60
> which is not the one on BAMA or sold on the Internet. It contains
> all the circuit changes and error corrections.
>
>

Yes, with the commercial Acrobat Pro software this is trivial.
Send me the file and I will send back the two halves:)

73,

Deane McIntyre
deane@...

(run my own mail server so no limits here:)

326. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 15:39:46 UTC
From: Kenneth D. Grimm, K4XL
Topic: 322 Message: 326

Carl wrote:
> Is there any way to split a PDF file in half in order to meet the forum uploading size limits?
>
> Im trying to upload the 1965 final manual version of the HRO-60 which is not the one on BAMA or sold on the Internet. It contains all the circuit changes and error corrections.
>
> Carl
> KM1H
>
>
Carl,

Adobe Acrobat allows you to do this. If you don't want to submit the manual to BAMA, I would still be happy to divide the file into two smaller pdfs for you. If you would like to submit it to BAMA, I would be very happy to add it to the National collection. Your choice.

73,

--
Ken K4XL
k4xl@...

*** BoatAnchor Manual Archive ***
On the web at http://bama.sbc.edu and http://bama.edebris.com
FTP site info: bama.sbc.edu login: anonymous p/w: youremailadr

327. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 17:06:10 UTC
From: Garey Barrell
Topic: 322 Message: 327

Ken -

I'm the one with the file, and I have been trying to upload (FTP) it to BAMA. Kept getting the "only one connection at a time" message. Just tried it again and it is uploading now.

OK, it's there. I have Acrobat and can split the file for Carl, but no easy way for a recipient to put it back together! Perhaps just a reference in the Group files to get the file from BAMA??

Thanks..!

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
<www.k4oah.com>

Kenneth D. Grimm, K4XL wrote:
> Carl wrote:
>
>> Is there any way to split a PDF file in half in order to meet the forum uploading size limits?
>>
>> Im trying to upload the 1965 final manual version of the HRO-60 which is not the one on BAMA or sold on the Internet. It contains all the circuit changes and error corrections.
>>
>> Carl
>> KM1H
>>
>>
>>
> Carl,
>
> Adobe Acrobat allows you to do this. If you don't want to submit the
> manual to BAMA, I would still be happy to divide the file into two
> smaller pdfs for you. If you would like to submit it to BAMA, I would
> be very happy to add it to the National collection. Your choice.
>
> 73,
>
>
>

328. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 17:14:22 UTC
From: Garey Barrell
Topic: 322 Message: 328

Carl -

Here are two parts. Each less than the 5 MB max size for YAHOO
files. I have also uploaded it to BAMA..

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
<www.k4oah.com>

Carl wrote:
> Is there any way to split a PDF file in half in order to meet the forum uploading size limits?
>
> Im trying to upload the 1965 final manual version of the HRO-60 which is not the one on BAMA or sold on the Internet. It contains all the circuit changes and error corrections.
>
> Carl
> KM1H
>
>
>

329. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 17:22:16 UTC
From: Carl
Topic: 322 Message: 329

I'll take that both ways Ken if you dont mind. An extra source or three
is insurance.

The file is about 7.2M, is your sbc.edu address OK?

Thanks to the others who offered to split it on Acrobat Pro.

Carl

----- Original Message -----
From: "Kenneth D. Grimm, K4XL" <grimm@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, April 27, 2009 11:39 AM
Subject: Re: [glowbugradio] Help with Pdf files

> Carl wrote:
>> Is there any way to split a PDF file in half in order to meet the
>> forum uploading size limits?
>>
>> Im trying to upload the 1965 final manual version of the HRO-60 which
>> is not the one on BAMA or sold on the Internet. It contains all the
>> circuit changes and error corrections.
>>
>> Carl
>> KM1H
>>
>>
> Carl,
>
> Adobe Acrobat allows you to do this. If you don't want to submit the
> manual to BAMA, I would still be happy to divide the file into two
> smaller pdfs for you. If you would like to submit it to BAMA, I would
> be very happy to add it to the National collection. Your choice.
>
> 73,
>
> --
> Ken K4XL
> k4xl@...
>
> *** BoatAnchor Manual Archive ***
> On the web at http://bama.sbc.edu and http://bama.edebris.com
> FTP site info: bama.sbc.edu login: anonymous p/w: youremailadr
>
>

330. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 18:48:55 UTC
From: Carl
Topic: 322 Message: 330

OK Garey. I thought you had given up as the file wasnt on BAMA the several times I looked when Ken made the offer.

If either one wants to put it in the forum files section as a Part1 and 2 file that has been split using Adobe Pro Id appreciate it. After Heathkit it makes more sense to have things available in many locations.

Carl

----- Original Message -----
From: "Garey Barrell" <k4oah@...>
To: <glowbugradio@yahoogroups.com>; "K4XL" <k4xl@...>
Sent: Monday, April 27, 2009 1:06 PM
Subject: Re: [glowbugradio] Help with Pdf files

> Ken -
>
> I'm the one with the file, and I have been trying to upload (FTP) it
> to
> BAMA. Kept getting the "only one connection at a time" message.
> Just
> tried it again and it is uploading now.
>
> OK, it's there. I have Acrobat and can split the file for Carl, but
> no
> easy way for a recipient to put it back together! Perhaps just a
> reference in the Group files to get the file from BAMA??
>
>
> Thanks..!
>
> 73, Garey - K4OAH
> Glen Allen, VA
>
> Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
> <www.k4oah.com>
>
>
>
> Kenneth D. Grimm, K4XL wrote:
>> Carl wrote:
>>
>>> Is there any way to split a PDF file in half in order to meet the
>>> forum uploading size limits?
>>>
>>> Im trying to upload the 1965 final manual version of the HRO-60

>>> which is not the one on BAMA or sold on the Internet. It contains
>>> all the circuit changes and error corrections.
>>>
>>> Carl
>>> KM1H
>>>
>>>
>>>
>> Carl,
>>
>> Adobe Acrobat allows you to do this. If you don't want to submit
>> the
>> manual to BAMA, I would still be happy to divide the file into two
>> smaller pdfs for you. If you would like to submit it to BAMA, I
>> would
>> be very happy to add it to the National collection. Your choice.
>>
>> 73,
>>
>>
>>
>

331. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2009-04-27 19:00:16 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 331

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/HRO-60 Manual SM-500 Pt 1.pdf
Uploaded by : k4oah <k4oah@...>
Description : Last Version - With all updates.

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/Technical/HRO-60%20Manual%20SM-500%20Pt%201.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

k4oah <k4oah@...>

332. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2009-04-27 19:02:20 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 332

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/HRO-60 Manual SM-500 Pt 2.pdf
Uploaded by : k4oah <k4oah@...>
Description : Part 2 of 2

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/Technical/HRO-60%20Manual%20SM-500%20Pt%202.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

k4oah <k4oah@...>

333. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 19:08:31 UTC
From: Garey Barrell
Topic: 322 Message: 333

Carl -

Done!

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
<www.k4oah.com>

Carl wrote:
> OK Garey. I thought you had given up as the file wasnt on BAMA the
> several times I looked when Ken made the offer.
>
> If either one wants to put it in the forum files section as a Part1 and
> 2 file that has been split using Adobe Pro Id appreciate it. After
> Heathkit it makes more sense to have things available in many locations.
>
> Carl
>
>
> ----- Original Message -----
> From: "Garey Barrell" <k4oah@...>
> To: <glowbugradio@yahoogroups.com>; "K4XL" <k4xl@...>
> Sent: Monday, April 27, 2009 1:06 PM
> Subject: Re: [glowbugradio] Help with Pdf files
>
>
>
>> Ken -
>>
>> I'm the one with the file, and I have been trying to upload (FTP) it
>> to
>> BAMA. Kept getting the "only one connection at a time" message.
>> Just
>> tried it again and it is uploading now.
>>
>> OK, it's there. I have Acrobat and can split the file for Carl, but
>> no
>> easy way for a recipient to put it back together! Perhaps just a
>> reference in the Group files to get the file from BAMA??
>>
>>
>> Thanks..!
>>
>> 73, Garey - K4OAH

>> Glen Allen, VA
>>
>> Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
>> <www.k4oah.com>
>>

334. Re: [glowbugradio] Help with Pdf files

Yahoo group: glowbugradio
Date: 2009-04-27 21:55:11 UTC
From: Carl
Topic: 322 Message: 334

Great and a big Thanks Garey

Carl

----- Original Message -----
From: "Garey Barrell" <k4oah@...>
To: <glowbugradio@yahoogroups.com>
Cc: "K4XL" <k4xl@...>
Sent: Monday, April 27, 2009 3:08 PM
Subject: Re: [glowbugradio] Help with Pdf files

> Carl -
>
> Done!
>
> 73, Garey - K4OAH
> Glen Allen, VA
>
> Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
> <www.k4oah.com>
>
>
>
> Carl wrote:
>> OK Garey. I thought you had given up as the file wasnt on BAMA the
>> several times I looked when Ken made the offer.
>>
>> If either one wants to put it in the forum files section as a Part1
>> and
>> 2 file that has been split using Adobe Pro Id appreciate it. After
>> Heathkit it makes more sense to have things available in many
>> locations.
>>
>> Carl
>>
>>
>> ----- Original Message -----
>> From: "Garey Barrell" <k4oah@...>
>> To: <glowbugradio@yahoogroups.com>; "K4XL" <k4xl@...>
>> Sent: Monday, April 27, 2009 1:06 PM
>> Subject: Re: [glowbugradio] Help with Pdf files
>>
>>
>>
>>> Ken -
>>>

>>> I'm the one with the file, and I have been trying to upload (FTP) it
>>> to
>>> BAMA. Kept getting the "only one connection at a time" message.
>>> Just
>>> tried it again and it is uploading now.
>>>
>>> OK, it's there. I have Acrobat and can split the file for Carl,
>>> but
>>> no
>>> easy way for a recipient to put it back together! Perhaps just a
>>> reference in the Group files to get the file from BAMA??
>>>
>>>
>>> Thanks..!
>>>
>>> 73, Garey - K4OAH
>>> Glen Allen, VA
>>>
>>> Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs
>>> <www.k4oah.com>
>>>
>

335. 1935 National HRO parts needed

Yahoo group: glowbugradio
Date: 2009-04-28 16:35:11 UTC
From: Carl
Topic: 335 Message: 335

To complete the restoration I need the following:

White meter switch. I'll take a later pull switch for now.

Pointer above the dial, unique to the earliest production runs

German silver dial

Dial scale for the R meter or someone to restore my faded one

Artwork for the black on white backround coil graphs. Any or all 9.

Carl
KM1H

336. Re: [glowbugradio] 1935 National HRO parts needed

Yahoo group: glowbugradio
Date: 2009-04-29 06:40:16 UTC
From: Jim Hill
Topic: 335 Message: 336

Carl: I have the same problem. I would appreciate knowing your results.
Thanks, Jim w6ivw

At 09:35 AM 4/28/2009, you wrote:

>Dial scale for the R meter or someone to restore my faded one
>
>
>Carl
>KM1H
>t inspired
>

337. Hallicrafters SX-15, SX-16, SX-17, SX-18, HT-9 parts wanted

Yahoo group: glowbugradio
Date: 2009-05-03 19:24:46 UTC
From: Carl
Topic: 337 Message: 337

The following original items are needed.

The SX-15 & 18 both need the audio and power transformer. Original parts only. Good or bad, as I can have them rewound.

SX-15 S Meter or just the scale

SX-16/17 S Meter or just the scale

SX-15/16/17/18 465 kc crystal

HT-9 814 final tank coils or just the jack bars which have odd spacing

Carl
KM1H

338. Need to confirm some changes over here. So this is a test. Thankyou.

Yahoo group: glowbugradio
Date: 2009-05-10 00:26:17 UTC
From: Theosleaper K1WYH
Topic: 338 Message: 338

This is a test.

Hope, Vision & Possibilities: http://home.comcast.net/~theosleaper

339. FS: Heathkit, Hallicrafters and Other Stuff

Yahoo group: glowbugradio
Date: 2009-05-29 17:36:13 UTC
From: David Hollander
Topic: 339 Message: 339

I have a bunch of equipment for sale. Prices do not include shipping.
I will ship overseas. Any questions, please e-mail me or feel free to
call me at 602-803-6290. Thanks for looking and 73.....Dave N7RK

Heathkit VF-1 VFO with Manual.....$90 plus shipping
Clean VF-1. The front panel is unmodified and has all of the correct
knobs. Their are no extra holes drilled in it. The insides are very
clean and the wiring looks very good. It is untested. Includes a
photocopy of the manual.
http://members.cox.net/radiostuff9/vf1heath.jpg
http://members.cox.net/radiostuff9/vf1heath3.jpg
http://members.cox.net/radiostuff9/vf1heath4.jpg

Heathkit DX-40 Transmitter.....$150 plus shipping
This is a nice DX-40. It has a few small scuffs and scrapes to the case.
The front panel is unmodified and has all of the correct knobs. Looking
at the inside it appears to be unmodified. It has one small extra hole
drilled in the top of the case which can be seen oin the photos. I put
it on the bench and with both 80 and 40 meter crystals, measured 30-35
watts on all bands using a Bird wattmeter and a Bird dummy load.
Includes a photocopy of the manual.
http://members.cox.net/radiostuff9/dx40heath.jpg
http://members.cox.net/radiostuff9/dx40heath2.jpg
http://members.cox.net/radiostuff9/dx40heath5.jpg
http://members.cox.net/radiostuff9/dx40heath7.jpg
http://members.cox.net/radiostuff9/dx40heath8.jpg

Heathkit AT-1 Transmitter ?Collector Quality? .....$325 plus shipping
This is the nicest AT-1 I have seen in many years of collecting
boatanchors. It appears to be all original, has no extra holes and has
the correct knobs. It does have a few small scuffs to the outer case. I
fired it up into a dummy load and measured 18-20 watts out on 80-10
meters. Includes a photocopy of the manual and I will include a spare
set of tubes, a 6AG7, a 6L6 and a 5U4.
http://members.cox.net/radiostuff9/heath_at1.JPG
http://members.cox.net/radiostuff9/heath_at12.JPG
http://members.cox.net/radiostuff9/heath_at14.JPG
http://members.cox.net/radiostuff9/heath_at16.JPG
http://members.cox.net/radiostuff9/heath_at17.JPG

Hallicrafters R-47 Speaker.....$75 plus shipping
Good sounding matching speaker for the SX-115 and other Hallicrafters
receivers.
http://members.cox.net/radiostuff9/hallir475.jpg
http://members.cox.net/radiostuff9/hallir4752.jpg
http://members.cox.net/radiostuff9/hallir4753.jpg

Hallicrafters R-46A Speaker.....$75 plus shipping
Sounds good. Does have scratches and scuffs but no dents.
http://members.cox.net/radiostuff9/hallir46a.jpg
http://members.cox.net/radiostuff9/hallir46a2.jpg
http://members.cox.net/radiostuff9/hallir46a4.jpg

LS-11 Military Loudspeaker.....$35 plus shipping
Clean, working unit
http://members.cox.net/radiodx5/ls11.JPG
http://members.cox.net/radiodx5/ls112.JPG

Bird 500 Watt Dummy Load.....$90 plus shipping
http://members.cox.net/radiostuff9/bird_dummyload.jpg
http://members.cox.net/radiostuff9/bird_dummyload2.jpg
http://members.cox.net/radiostuff9/bird_dummyload3.jpg

Regency MR-10 VHF Monitor Receiver.....$30 plus shipping
Get rid of that solid state scanner! Listen to the local police and
weather on a boatanchor.
Fairly clean working unit. I lsitened to the local police and the
weather with it.
http://members.cox.net/radiodx5/regencymr10.JPG
http://members.cox.net/radiodx5/regencymr102.JPG
http://members.cox.net/radiodx5/regencymr103.JPG

Heathkit Original Manuals
I recently added around 200 original Heathkit manuals to my web page
plus a few National, Drake and other manuals for sale.
List can be viewed here:
http://members.cox.net/radiostuff9/manuals_fs.htm
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

340. FS: Orr Radio Handbooks and Other Radio Books

Yahoo group: glowbugradio
Date: 2009-05-31 18:44:22 UTC
From: David Hollander
Topic: 340 Message: 340

Here are some books for sale. Shipping is $5 in most cases (depends upon quantity).

I will ship overseas. All books are in very good to excellent condition unless noted

These are the Orr/Jones handbooks, not ARRL

Radio Handbook 10th Edition?$24
A little bit of fraying to cover edges

Radio Handbook 13th Edition?$24

Radio Handbook 16th Edition?$27

Radio Handbook 17th Edition?$27

Radio Handbook 18th Edition?$27

Radio Handbook 19th Edition?$27

Radio Handbook 20th Edition?$27

****

1929 ARRL Radio Amateur?s Handbook?.....$125
Cover has wear, pencil writing on first page. Overall pages are very good for an 80 year old book that probably spent some time on a workbench.

Lightning Protection-(Hard Cover (1973)....$12

Amateur Radio Antenna Handbook - Hooten (1962)....$7

ARRL Antenna Compendeum Volume 1 (1985)......$10

ARRL Antenna Book (1984)......$10

ARRL Antenna Book (1994)....$15

ARRL Antenna Book (1997)....$15

ARRL VHF Manual (1968).............$8

Radio Amateur Antenna Handbook. ? Orr and Cowan (1978)?.$10

Radio Amateur?s Handbook ? Collins and Hertzberg (1976)??.$10

73 and thanks for looking.

Dave N7RK

341. Re: [glowbugradio] FS: Orr Radio Handbooks and Other Radio Books

Yahoo group: glowbugradio
Date: 2009-05-31 20:17:14 UTC
From: Gary Pewitt
Topic: 340 Message: 341

Dave, I'd like the lightning protection book please. Thanks Gary
N9ZSV My address is not correct in QRZ
Gary Pewitt
1500 French Prairie Rd.
Booneville, AR 72927
479 675 4376

> Lightning Protection-(Hard Cover (1973)....$12
>
>
>
> Dave N7RK
>
>
>
>

342. Re: [glowbugradio] FS: Orr Radio Handbooks and Other Radio Books

Yahoo group: glowbugradio
Date: 2009-06-01 02:22:44 UTC
From: David Hollander
Topic: 340 Message: 342

Hi Gary - that has been spoken for but I'll keep your e-mail if it
should fall through.

Tnx and 73,

Dave N7RK

--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

343. WTB: Binders for QST, CQ, HRM

Yahoo group: glowbugradio
Date: 2009-06-11 20:40:39 UTC
From: Carl
Topic: 343 Message: 343

I need big and little binders for QST, CQ and HRM, any year, or unmarked.

I HAVE to get this stuff organized better than loose on shelves and in boxes!

Carl
KM1H

344. Re: [glowbugradio] WTB: Binders for QST, CQ, HRM

Yahoo group: glowbugradio
Date: 2009-06-11 20:44:27 UTC
From: Jim
Topic: 343 Message: 344

I don't have binders, but I used to use 12-pack cartons for magazines. They were nearly as useful as the official magazine boxes that libraries use.

But obviously not as cool as binders.

N6OTQ

--- On Thu, 6/11/09, Carl <km1h@...> wrote:

> From: Carl <km1h@...>
> Subject: [glowbugradio] WTB: Binders for QST, CQ, HRM
> To: glowbugradio@yahoogroups.com
> Date: Thursday, June 11, 2009, 3:40 PM
> I need big and little binders for
> QST, CQ and HRM, any year, or unmarked.
>
> I HAVE to get this stuff organized better than loose on
> shelves and in boxes!
>
> Carl
> KM1H

345. Re: WTB: Binders for QST, CQ, HRM

Yahoo group: glowbugradio
Date: 2009-06-13 05:13:25 UTC
From: Ron Lawrence W4RON
Topic: 343 Message: 345

> 1a. WTB: Binders for QST, CQ, HRM
> Posted by: "Carl" km1h@... geoff8122
> Date: Thu Jun 11, 2009 1:41 pm ((PDT))
>
> I need big and little binders for QST, CQ and HRM, any year,

I have a numbers of binders, the problem is they're full of magazines.... I wish someone would take them all.

73, Ron w4ron

346. Re: [glowbugradio] Re: WTB: Binders for QST, CQ, HRM

Yahoo group: glowbugradio
Date: 2009-06-13 13:03:17 UTC
From: Carl
Topic: 343 Message: 346

My problem is that I have all the magazines sitting in boxes and want to get a library set up.

Are you selling or donating???

Carl

----- Original Message -----
From: Ron Lawrence W4RON
To: glowbugradio@yahoogroups.com
Sent: Saturday, June 13, 2009 1:13 AM
Subject: [glowbugradio] Re: WTB: Binders for QST, CQ, HRM

> 1a. WTB: Binders for QST, CQ, HRM
> Posted by: "Carl" km1h@... geoff8122
> Date: Thu Jun 11, 2009 1:41 pm ((PDT))
>
> I need big and little binders for QST, CQ and HRM, any year,
I have a numbers of binders, the problem is they're full of
magazines.... I wish someone would take them all.

73, Ron w4ron

347. Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 00:42:35 UTC
From: Barry L. Hoffman
Topic: 347 Message: 347

Looking to buy a Hammarlund receiver, always wanted one since 1968.

Which one is/was the best for ham band only?

What options (Noise balnkse, VHF concerter) should I look for?

73,
K7blh
Barry

348. Re: [glowbugradio] Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 02:54:43 UTC
From: John Ruccolo
Topic: 347 Message: 348

Hi Barry,

I highly recommend the HQ-170 or 170A for ham-bands only use.

They're very good receivers, and they can still be found at reasonable prices. Of course, they may need a little work, but what 40 to 50 year-old piece of gear doesn't? ;-)

I can't say much about optional accessories, though.

BTW, the HQ-110 is a poor-man's HQ-170. (a medium-priced Ham band-only receiver in its day).

73,

John KC2UAK

--- On Sat, 6/20/09, Barry L. Hoffman <k7blh@...> wrote:

From: Barry L. Hoffman <k7blh@...>
Subject: [glowbugradio] Hammarlund Radios
To: glowbugradio@yahoogroups.com
Date: Saturday, June 20, 2009, 8:42 PM

Looking to buy a Hammarlund receiver, always wanted one since 1968.

Which one is/was the best for ham band only?

What options (Noise balnkse, VHF concerter) should I look for?

73,
K7blh
Barry

349. Re: [glowbugradio] Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 13:43:43 UTC
From: Carl
Topic: 347 Message: 349

If you go with a HQ-170 or 170A be sure to verify that it is not a drifter. It has been reported many times that some never could be called good SSB receivers even after trips back to the factory. A stable one is a fine receiver. Many 170's have been upgraded to the A which helps a lot.

A worthwhile factory option is the noise blanker which is NOT the standard noise limiter. The blanker is on a sub chassis and is the classic Lamb design.

I use a HQ-180 with the blanker and seperate filament xfmr of the A and Im quite happy with it.

The audio circuit doesnt make for a great AM radio. Lots have been written about widening the response. Bass reduction can also be implemented at the speaker.

One major problem that crops up with many, many makes and models of 50's and 60's radios is what has been called "Silver Mica Disease". When the small 3/4" IF cans came out they were permeability tuned with ferrite slugs and the resonating capacitors were silvered ceramic substrates with mica insulators, non adjustable. The silver creeps with time resulting usually in static or thunderstorm sounds. The cure is to take the cans apart, cut out the caps from the circuit and install new dipped silver mica caps externally. There has been lots written about this in magazines such as ER and on the Internet. Its not as hard as it sounds.

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Saturday, June 20, 2009 10:54 PM
Subject: Re: [glowbugradio] Hammarlund Radios

Hi Barry,

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They're very good receivers, and they can still be found at reasonable prices. Of course, they may need a little work, but what 40 to 50 year-old piece of gear doesn't? ;-)

I can't say much about optional accessories, though.

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--- On Sat, 6/20/09, Barry L. Hoffman <k7blh@...> wrote:

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To: glowbugradio@yahoogroups.com
Date: Saturday, June 20, 2009, 8:42 PM

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73,
K7blh
Barry

350. Re: [glowbugradio] Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 14:48:59 UTC
From: John Ruccolo
Topic: 347 Message: 350

Hi Carl,

Yes, I forgot to mention the silver mica disease. Unfortunately, I have an HQ-145 where you can not only hear the thunderstorm in the output, you can *see* it under the chassis. This is a great help in locating the defective IF can. ;-)

The point is, if the price is right, you take your chances, and fix it later. That's what this hobby is all about, right? Too many projects, not enough time...

73,

John

KC2UAK

--- On Sun, 6/21/09, Carl <km1h@...> wrote:

From: Carl <km1h@jeremy.mv.com>
Subject: Re: [glowbugradio] Hammarlund Radios
To: glowbugradio@yahoogroups.com
Date: Sunday, June 21, 2009, 9:43 AM

If you go with a HQ-170 or 170A be sure to verify that it is not a drifter. It has been reported many times that some never could be called good SSB receivers even after trips back to the factory. A stable one is a fine receiver. Many 170's have been upgraded to the A which helps a lot.

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To: glowbugradio@ yahoogroups. com
Date: Saturday, June 20, 2009, 8:42 PM

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73,
K7blh
Barry

351. Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 18:10:18 UTC
From: Kenneth G. Gordon
Topic: 347 Message: 351

> BTW, the HQ-110 is a poor-man's HQ-170. (a medium-priced Ham band-only receiver in its
> day).

The HQ-110 is a nice basic receiver and is fairly stable too. Selectivity is quite adequate. Covers 160 meters through 6 meters.

It really is an AM-only receiver, however, as both the detector and AGC circuits need quite a bit of "tweaking" to make them really suitable for CW...and especially for SSB.

The "S" meter is usesless in any mode but AM.

Ken Gordon W7EKB

352. Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 20:16:46 UTC
From: John Ruccolo
Topic: 347 Message: 352

This discussion brings up a question:

If you had to choose among some of the last true "boatanchor" ham receivers of the late 50's and early 60's, which would you choose, and why?

Notice how in each case the manufacturer followed up with an improved version:

Hammarlund HQ-170/170A

Hallicrafters SX-101/101A

National NC-300/303

I'm deliberately excluding the Collins 75A series because they were in a much higher price bracket. Also excluding more obscure radios that were poor sellers then (but hot collector's items today) like the Hallicrafters SX-115.

73,

John KC2UAK

--- On Sun, 6/21/09, Kenneth G. Gordon <kgordon2006@...> wrote:

From: Kenneth G. Gordon <kgordon2006@...>
Subject: [glowbugradio] Re: Hammarlund Radios
To: glowbugradio@yahoogroups.com
Date: Sunday, June 21, 2009, 2:10 PM

> BTW, the HQ-110 is a poor-man's HQ-170. (a medium-priced Ham band-only receiver in its
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Ken Gordon W7EKB

353. Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 20:30:24 UTC
From: K0DAN
Topic: 347 Message: 353

All these RX's were great in their day (today too)! You need to include Drake 2B/2BQ!
----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Sunday, June 21, 2009 3:16 PM
Subject: Re: [glowbugradio] Re: Hammarlund Radios

This discussion brings up a question:

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John KC2UAK

--- On Sun, 6/21/09, Kenneth G. Gordon <kgordon2006@...> wrote:

From: Kenneth G. Gordon <kgordon2006@...>
Subject: [glowbugradio] Re: Hammarlund Radios
To: glowbugradio@yahoogroups.com
Date: Sunday, June 21, 2009, 2:10 PM

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Ken Gordon W7EKB

354. Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 20:51:13 UTC
From: Kenneth G. Gordon
Topic: 347 Message: 354

On 21 Jun 2009 at 13:16, John Ruccolo wrote:

> This discussion brings up a question:
>
> If you had to choose among some of the last true "boatanchor" ham receivers of the late 50's and
> early 60's, which would you choose, and why?
>
> Notice how in each case the manufacturer followed up with an improved version:
>
> Hammarlund HQ-170/170A
>
> Hallicrafters SX-101/101A
>
> National NC-300/303

All of these had/have advantages and disadvantages. Although I have not use the HQ-170 series, I have used the others.

I have used the older Hammarlund receivers, i.e., the BC-779, and liked it a lot, especially after I had added a triode product detector to it.

I preferred the National. Practically every Hallicrafters receiver I have ever used was more unstable then their contemporaries.

However, as someone else mentioned here, you have left out possibly the best one of the bunch: the Drake 2B.

YMMV

Ken W7EKB

355. Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 20:56:07 UTC
From: John Ruccolo
Topic: 347 Message: 355

Hello K0DAN,

Ah! Good point! Sorry, forgot all about Drake. I've always wanted a 2B to tinker with....

But what I was really referring to was the last of the physically large receivers that those manufacturers came out with. It was radios like the Drake 2B and R4 (and the Collins S-line, of course) that put an end to the really big boatanchor type of ham receiver.

73,

John KC2UAK

--- On Sun, 6/21/09, K0DAN <k0dan@...> wrote:

From: K0DAN <k0dan@...>
Subject: Re: [glowbugradio] Re: Hammarlund Radios
To: glowbugradio@yahoogroups.com
Cc: jr6v6gt@...
Date: Sunday, June 21, 2009, 4:30 PM

All these RX's were great in their day (today too)! You need to include Drake 2B/2BQ!

----- Original Message -----
From: John Ruccolo
To: glowbugradio@ yahoogroups. com
Sent: Sunday, June 21, 2009 3:16 PM
Subject: Re: [glowbugradio] Re: Hammarlund Radios

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I'm deliberately excluding the Collins 75A series because they were in a much higher price bracket. Also excluding more obscure radios that were poor sellers then (but hot collector's items today) like the Hallicrafters SX-115.

73,

John KC2UAK

--- On Sun, 6/21/09, Kenneth G. Gordon <kgordon2006@ verizon.net> wrote:

From: Kenneth G. Gordon <kgordon2006@ verizon.net>
Subject: [glowbugradio] Re: Hammarlund Radios
To: glowbugradio@ yahoogroups. com
Date: Sunday, June 21, 2009, 2:10 PM

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The "S" meter is usesless in any mode but AM.

Ken Gordon W7EKB

356. Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 21:48:41 UTC
From: Paul Kraemer
Topic: 347 Message: 356

I think the NC 183D belongs in the list too or is that going too far back?
Paul K0UYA

357. Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-21 22:57:32 UTC
From: K0DAN
Topic: 347 Message: 357

The amazing things about the early Drakes was their small size, modest tube compliment, great audio, great stability, good sensitivity and selectivity, and outstanding product detector with passband tuning. After my Novice days, that was my first "real" receiver (replacing an SX110)...what a world of difference! I agree they did not look like their big iron cousins, and did not have the cool Frankenstein knobs & switches, but what they changed in cosmetics they also changed in performance. I think I paid about $200 for my 2B/2BQ around 1964 (a fortune for a highschool kid) but I kept that receiver about 20 years, and now regret having sold it. Anyway, your original post has led to some interesting discussions.
Good luck es 73
dan
k0dan

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Sunday, June 21, 2009 3:56 PM
Subject: Re: [glowbugradio] Re: Hammarlund Radios

Hello K0DAN,

Ah! Good point! Sorry, forgot all about Drake. I've always wanted a 2B to tinker with....

But what I was really referring to was the last of the physically large receivers that those manufacturers came out with. It was radios like the Drake 2B and R4 (and the Collins S-line, of course) that put an end to the really big boatanchor type of ham receiver.

73,

John KC2UAK

--- On Sun, 6/21/09, K0DAN <k0dan@...> wrote:

From: K0DAN <k0dan@...>
Subject: Re: [glowbugradio] Re: Hammarlund Radios
To: glowbugradio@yahoogroups.com
Cc: jr6v6gt@...
Date: Sunday, June 21, 2009, 4:30 PM

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----- Original Message -----
From: John Ruccolo
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Subject: Re: [glowbugradio] Re: Hammarlund Radios

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I'm deliberately excluding the Collins 75A series because they were in a much higher price bracket. Also excluding more obscure radios that were poor sellers then (but hot collector's items today) like the Hallicrafters SX-115.

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John KC2UAK

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It really is an AM-only receiver, however, as both the detector and AGC circuits need quite a bit of "tweaking" to make them really suitable for CW...and especially for SSB.

The "S" meter is usesless in any mode but AM.

Ken Gordon W7EKB

358. Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-22 00:16:55 UTC
From: Carl
Topic: 347 Message: 358

YUK! I had that combination and it was totally useless in contests, CW or SSB, from overload.

I sold it and took a step back and picked up a nice 75A4 and made many mods to it. This was in 1965 and I still have it; its the best Ive ever owned for digging out DX on 80/160M CW especially and is run with a heavily modified TS-940.

The 75A4 MUST always be included in a ham band only discussion.

Carl
KM1H

----- Original Message -----
From: K0DAN
To: glowbugradio@yahoogroups.com
Cc: jr6v6gt@...
Sent: Sunday, June 21, 2009 4:30 PM
Subject: Re: [glowbugradio] Re: Hammarlund Radios

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Ken Gordon W7EKB

359. Desired Boatanchors Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-22 01:17:29 UTC
From: Charles MacDonald
Topic: 347 Message: 359

I have no idea if it would work well or not, but when I was growing up a friend of mine had what was even then an old RCA AR-88.

My understanding is that their primary use was by RCA themselves in their radio telegraph and marine communication relay business.

The unit was massive, heavy and as might be expected with an RCA product was full of Metal tubes. MY subsequent reading up also indicates that many have PCB in the Capacitors.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

360. Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-22 01:34:45 UTC
From: Carl
Topic: 347 Message: 360

Those plus:

HRO-60 for AM/CW
75A4 as previously mentioned
Drake R4 series with a modified R4C still one of the best even today
GPR-90 for AM/CW
R390A for AM/CW available as low as $150-200 on surplus market not too many years ago.

The AM/CW radios have all had modification articles on product detectors and added xtal or mechanical filters.

Many older sets with a Hammarlund HC-10 or Central Electronics B Slicer were very competitive with modern offerings. There were several other adapters on the market. Some still use a BC-453 for dual conversion selectivity.

My choice of favorites in no particular order are the R390A, 75A4, R4C and HRO-60. Each has its strong points.

For other sets that respond well to some changes and/or are highly useable even today I like the NC-101X, HQ-129/140X,
NC-183D, R4B, 51J4, NC200 & 240D, SX-17, SX-28, HRO-50, NBS-1, SX-73/R274, any early HRO, HRO-500, GPR-90.

I have all the above here in restored condition and they get cycled thru the various vintage stations on a regular basis.

Note there is no Collins S Line and there wont be any either.

There are others but Ive no current experience with them.

The 3rd tier has loads of unremarkable commercial and military receivers that many still use and a large number of that variety are here mostly as shelf queens.

For bottom feeders I even have a S-38 and S-53A.

Carl
KM1H
National Radio 1963-69
Service Tech, Service Manager
Member of NCL-2000 and NCX-1000 Design Teams

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Sunday, June 21, 2009 4:16 PM
Subject: Re: [glowbugradio] Re: Hammarlund Radios

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--- On Sun, 6/21/09, Kenneth G. Gordon <kgordon2006@...> wrote:

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To: glowbugradio@yahoogroups.com
Date: Sunday, June 21, 2009, 2:10 PM

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Ken Gordon W7EKB

361. Re: Desired Boatanchors Re: [glowbugradio] Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-22 01:59:30 UTC
From: John Ruccolo
Topic: 347 Message: 361

I agree the AR-88 is an **awesome** radio. I am proud to own one. They seem to be more available overseas than in the US, unfortunately.

And the NC-183D is an excellent receiver as well, although in my experience they usually need a lot of work to get them to be really hot performers again. Still haven't finished with mine....

However, both of those are general-coverage "band cruisers" not ham-bands-only sets.

I also have a Drake R-4 that needs fixing....like I said earlier, too many projects, not enough time. I've always been impressed with how much performance Drake packed into a small space.

I am enjoying this disucssion as well!

Regards,

John, KC2UAK

--- On Sun, 6/21/09, Charles MacDonald <aa508@freenet.carleton.ca> wrote:

From: Charles MacDonald <aa508@...>
Subject: Desired Boatanchors Re: [glowbugradio] Re: Hammarlund Radios
To: glowbugradio@yahoogroups.com
Date: Sunday, June 21, 2009, 9:17 PM

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--
Charles MacDonald Stittsville Ontario
cmacd@zeusprune. ca Just Beyond the Fringe
http://www.TelecomO ttawa.net/ ~cmacd/
No Microsoft Products were used in sending this e-mail.

362. Re: [glowbugradio] Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-22 06:43:39 UTC
From: Rod Hogg
Topic: 347 Message: 362

Barry,

I read you specifically mentioned Hammarlund as your choice of brand. Got a LOT of other recommendations of other brands.

The HQ-170/A(C)is a good choice, The HQ-110 is a nice smaller recvr. On the 110A they added the 6M coverage and had a seperate antenna input for that and had the 2M dial calibrations, it used an external converter for 2.. They are both ham band only. From what I can find in my resources, those were the only ham band only units produced by Hammarlund, unless something came out very late and was short lived. This goes back to 1958 when both the 170 and 110 came out.

Hope you find what you are looking for. I am working on a 110 now to get it up and running.

Rod
KØEQH

--- On Sat, 6/20/09, Barry L. Hoffman <k7blh@...> wrote:

From: Barry L. Hoffman <k7blh@...>
Subject: [glowbugradio] Hammarlund Radios
To: glowbugradio@yahoogroups.com
Date: Saturday, June 20, 2009, 7:42 PM

Looking to buy a Hammarlund receiver, always wanted one since 1968.

Which one is/was the best for ham band only?

What options (Noise balnkse, VHF concerter) should I look for?

73,
K7blh
Barry

363. Re: Hammarlund Radios

Yahoo group: glowbugradio
Date: 2009-06-22 16:13:37 UTC
From: Kenneth G. Gordon
Topic: 347 Message: 363

On 21 Jun 2009 at 0:42, Barry L. Hoffman wrote:

> Looking to buy a Hammarlund receiver, always wanted one since 1968.
>
> Which one is/was the best for ham band only?

Probably the HQ-170A or HQ-180A.

As has been said, the HQ-110 or HQ-110A would be an inexpensive way to go, although it is very basic. Still, it is a heck of a lot better than most others in its price class (at the time).

I have one that was given to me. After I tuned it up, it proved itself to be a pretty good receiver. However, as I have noted here, it is primarily an AM receiver, and would need considerable "tweaking" to make it really useful on CW or (especially) SSB.

Sensitivity, selectivity, and stability are quite adequate. The AGC and detector circuitry are the main problems with it, but it was at least as good as all others of the time.

> What options (Noise blanker, VHF converter) should I look for?

The Lamb-type noise blanker would be helpful in certain situations. Any VHF converters might be useful, especially for 6 meters.

For general coverage use, I have always liked the SP-600 after it has been properly re-capped and tuned up.

And I have always wanted a PRO-310, but could never afford any I found. They are pretty rare...and priced accordingly.

I owned and used the HQ-129X and liked it (except for the really stupid knobs), and a BC-779 (with added product detector) and absolutely loved that one.

The BC-779 took a long time to warm up, and even when warm still drifted a few Hz back and forth, but it sounded SO darned nice...

Besides, it looked so "military truck-ish"...

Ken Gordon W7EKB

364. FS: Hammarlund, Heathkit, Military, National and Transmitter Parts

Yahoo group: glowbugradio
Date: 2009-06-24 21:23:26 UTC
From: David Hollander
Topic: 364 Message: 364

I have a bunch of equipment for sale. Prices do not include shipping.
I will ship overseas. Any questions, please e-mail me or feel free to
call me at 602-803-6290.

Thanks for looking and 73.....Dave N7RK

W.W.II Signal Corps BC-314 Radio Receiver....$200 plus shipping
This is a BC-314 that has a homebrew ac power supply added to make it
like a BC-344. This radio does work. I listened to signals on the
broadcast band and a few VLF beacons. It has a few mod's which are
easily reversible. A previous owner added a BNC antenna connector and
removed the auxiliary "snout" power connector from the front panel.Their
does not appear to be any extra holes from these mods. The name plate
and one of the bottom center screw locks are missing. All these parts
except the nameplate can be found on a BC-312 or BC-342 junker. Includes
the 178 page manual on a CD in "pdf" format.
http://members.cox.net/radiostuff9/bc344.JPG
http://members.cox.net/radiodx3/bc3443.JPG
http://members.cox.net/radiodx3/bc3446.JPG

Hammarlund HQ-170 Receiver.....$175 plus shipping
The receiver is very clean inside and looks like new under the chassis.
I fired it up and found it works very well. Spent quite a few hours with
it listening to signals on 80, 40 and 20 meters both CW and SSB. All
controls work and do what they are supposed to and the s-meter works.
The radio does not have any extra holes, dings or dents. The receiver
does have cosmetic issues which can be seen in the photograph. The left
dial is burned over about 30 degrees of the dial and the window is also
burned over a portion. The panel does have some blemishes and the knobs
need to be polished. The clock worked for a short while after firing up
the receiver and than quit. The plastic window over the clock is also
warped. Includes a photocopy of the manual.
http://members.cox.net/radiostuff9/hq170.jpg
http://members.cox.net/radiostuff9/hq1704.jpg
http://members.cox.net/radiostuff9/hq1705.jpg
http://members.cox.net/radiostuff9/hq1706.jpg
http://members.cox.net/radiostuff9/hq1707.jpg

National NC-46 Receiver.....$75 plus shipping
Clean insides but has a few disconnected wires so it is untested. Also
missing the dial glass and one piece of decorative trim.
http://members.cox.net/radiostuff9/nc46.jpg
http://members.cox.net/radiostuff9/nc466.jpg
http://members.cox.net/radiostuff9/nc465.jpg

Groth Turns Counter.....$75 plus shipping
http://members.cox.net/radiostuff9/groth_counter.jpg
http://members.cox.net/radiostuff9/groth_counter2.jpg
http://members.cox.net/radiostuff9/groth_counter3.jpg

National MB-150 Multi-Band Tank Circuit.....$90 plus shipping
80-10 meter tank assembly for a pair of 807?s or a single 829
http://members.cox.net/radiostuff9/nationalMB50.JPG
http://members.cox.net/radiostuff9/nationalMB502.JPG
http://members.cox.net/radiostuff9/nationalMB503.JPG

Thorardson T-8470M Modulation Transformer - NOS....$100 plus shipping
See second photo for transformer specs. This is NOS and new in the box.
http://members.cox.net/radiostuff9/modfmrT84M70.JPG
http://members.cox.net/radiostuff9/modfmrT84M702.JPG
http://members.cox.net/radiostuff9/modfmrT84M703.JPG

Heathkit AT-1 Transmitter ?Collector Quality? .....$300 plus shipping
This is the nicest AT-1 I have seen in many years of collecting
boatanchors. It appears to be all original, has no extra holes and has
the correct knobs. It does have a few small scuffs to the outer case. I
fired it up into a dummy load and measured 18-20 watts out on 80-10
meters. Includes a photocopy of the manual and I will include a spare
set of tubes, a 6AG7, a 6L6 and a 5U4.
http://members.cox.net/radiostuff9/heath_at1.JPG
http://members.cox.net/radiostuff9/heath_at12.JPG
http://members.cox.net/radiostuff9/heath_at14.JPG
http://members.cox.net/radiostuff9/heath_at16.JPG
http://members.cox.net/radiostuff9/heath_at17.JPG

LS-11 Military Loudspeaker.....$35 plus shipping
Clean, working unit
http://members.cox.net/radiodx5/ls11.JPG
http://members.cox.net/radiodx5/ls112.JPG

Heathkit Original Manuals
I recently added around 200 original Heathkit manuals to my web page
plus a few National, Drake and other manuals for sale.
List can be viewed here:
http://members.cox.net/radiostuff9/manuals_fs.htm

****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

365. FS: Heathkit, National, Hammarlund. Military, Transformers and Misc.

Yahoo group: glowbugradio
Date: 2009-07-05 15:10:37 UTC
From: David Hollander
Topic: 365 Message: 365

I have a bunch of equipment for sale. Prices do not include shipping.
I will ship overseas. Any questions, please e-mail me or feel free to
call me at 602-803-6290.

Thanks for looking and 73.....Dave N7RK

W.W.II Signal Corps BC-314 Radio Receiver....$175 plus shipping
This is a BC-314 that has a homebrew ac power supply added to make it
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easily reversible. A previous owner added a BNC antenna connector and
removed the auxiliary power connector from the front panel.Their does
not appear to be any extra holes from these mods. The name plate and one
of the bottom center screw locks are missing. All these parts except the
nameplate can be found on a BC-312 or BC-342 junker. Includes the 178
page manual on a CD in "pdf" format.
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The receiver is very clean inside and looks like new under the chassis.
I fired it up and found it works very well. Spent quite a few hours with
it listening to signals on 80, 40 and 20 meters both CW and SSB. All
controls work and do what they are supposed to and the s-meter works.
The radio does not have any extra holes, dings or dents. The receiver
does have cosmetic issues which are fixable with parts from a parts
unit. These can be seen in the photographs. The left dial is burned over
about 30 degrees of the dial and the window is also burned over a
portion from being stored where it was exposed to sunlight. The panel
does have some blemishes and the knobs need to be polished. The clock
worked for a short while after firing up the receiver and than quit. The
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http://members.cox.net/radiostuff9/hq1706.jpg
http://members.cox.net/radiostuff9/hq1707.jpg

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set of tubes, a 6AG7, a 6L6 and a 5U4.
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http://members.cox.net/radiostuff9/heath_at12.JPG
http://members.cox.net/radiostuff9/heath_at14.JPG
http://members.cox.net/radiostuff9/heath_at16.JPG
http://members.cox.net/radiostuff9/heath_at17.JPG

National MB-150 Multi-Band Tank Circuit.........$75 plus shipping
80-10 meter tank assembly for a pair of 807?s or a single 829
http://members.cox.net/radiostuff9/nationalMB50.JPG
http://members.cox.net/radiostuff9/nationalMB502.JPG
http://members.cox.net/radiostuff9/nationalMB503.JPG

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See second photo for transformer specs. This is NOS and new in the box.
http://members.cox.net/radiostuff9/modfmrT84M70.JPG
http://members.cox.net/radiostuff9/modfmrT84M702.JPG
http://members.cox.net/radiostuff9/modfmrT84M703.JPG

Thordarson T19P57 HV Power Transformer - NOS, NIB..........$70 plus shipping
dual plate supply high voltage power transformer. This transformer is
NOS and new in the box.
This transformer has the following windings: 115 v primary,
1075-507-0-507-1075 volts at 150 mA secondary
http://members.cox.net/radiostuff9/thordhvxfmr.jpg
http://members.cox.net/radiostuff9/thordhvxfmr3.jpg

LS-11 Military Loudspeaker............$35 plus shipping
Clean, working unit
http://members.cox.net/radiodx5/ls11.JPG
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Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
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ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

366. FS: ARRL Handbooks and GE Ham News

Yahoo group: glowbugradio
Date: 2009-07-10 15:07:19 UTC
From: Bill Cotter
Topic: 366 Message: 366

Listed below are several handbooks with prices and hi-res photos. I will discount multiple purchases and combine shipping. If you don't like a price, make an offer. These are excess and they are leaving home.....

73 Bill N4LG

Prices indicated plus $5.60 for Priority Mail and Delivery Confirmation.

1948 ARRL Radio Amateur's Handbook fair, loose pages from binding $15
http://web.qx.net/bcotter/forsale/handbooks/ARRL1948.jpg

1955 ARRL Radio Amateur's Handbook very good $18
http://web.qx.net/bcotter/forsale/handbooks/ARRL1955.jpg

1963 ARRL Radio Amateur's Handbook nice $15
http://web.qx.net/bcotter/forsale/handbooks/ARRL1963VG.jpg

1963 ARRL Radio Amateur's Handbook good, band across cover $12
http://web.qx.net/bcotter/forsale/handbooks/ARRL1963.jpg

1964 ARRL Radio Amateur's Handbook very good, circular stain $15
http://web.qx.net/bcotter/forsale/handbooks/ARRL1964.jpg

1977 ARRL Radio Amateur's Handbook nice $10
http://web.qx.net/bcotter/forsale/handbooks/ARRL1977.jpg

1978 ARRL Radio Amateur's Handbook nice $10
http://web.qx.net/bcotter/forsale/handbooks/ARRL1978.jpg

Electronic Communications, Robert Shrader 4th ed very good $10
http://web.qx.net/bcotter/forsale/handbooks/Electroniccomm.jpg

GE Ham News Bound Vol-1,#1 thru Vol-5,#6 Excellent, spine chip $30
http://web.qx.net/bcotter/forsale/handbooks/GEhamnewsvol1.jpg

GE Ham News Bound Vol-1,#1 thru Vol-5,#6 Very Good, cover blemish $25
http://web.qx.net/bcotter/forsale/handbooks/GEhamnews%20vol1a.jpg

GE Ham News Bound Vol-1,#1 thru Vol-5,#6 Fair, cover/spine wear $15
http://web.qx.net/bcotter/forsale/handbooks/GEhamnewsvol1b.jpg

GE Ham News Bound Vol-6,#1 thru Vol-10,#6 Excellent $30
http://web.qx.net/bcotter/forsale/handbooks/GEhamnewsvol6.jpg

GE Ham News Bound Vol-6,#1 thru Vol-10,#6 Very Good, cover blemish $25
http://web.qx.net/bcotter/forsale/handbooks/GEhamnewsvol6a.jpg

367. FS: Odd's and Ends - RCA, MIllen, Gonset, National, Heathkit and Parts

Yahoo group: glowbugradio
Date: 2009-07-14 16:34:52 UTC
From: David Hollander
Topic: 367 Message: 367

I have a bunch of equipment for sale. Prices do not include shipping.
I will ship overseas. Any questions, please e-mail me or feel free to
call me at 602-803-6290.

Thanks for looking and 73.....Dave N7RK

Millen 90671 SWR Bridge....$22 plus shipping
http://members.cox.net/radiodx5/millen90671.jpg
http://members.cox.net/radiodx5/millen906712.jpg

RCA WVA-120A Power Line Monitor....$40 plus shipping
Tested and working
http://members.cox.net/radiodx5/rca_wv120a.jpg
http://members.cox.net/radiodx5/rca_wv120a2.jpg

Homebrew VHF Receiver with MCN Dial....$28 plus shipping
Lot?s of parts inside
http://members.cox.net/radiodx5/vhf_rcvr.jpg
http://members.cox.net/radiodx5/vhf_rcvr2.jpg

Homebrew VFO with MCN Dial.....$20 plus shipping
Solid state VHF VFO
http://members.cox.net/radiodx5/vfo_mcn.jpg

Gonset Control Head with Speaker.....$22 plus shipping
Unusual and most likely totally useless collectible Gonset item.
http://members.cox.net/radiodx5/gonset_xhead.jpg
http://members.cox.net/radiodx5/gonset_xhead2.jpg

Matched Pair of Hermetically Sealed 50 mA Meters.....$28 plus shipping
New in the box
http://members.cox.net/radiodx5/50ma_metersx2.jpg

Bird Wattmeter 25A and 25B Slugs.....$25 each or $45 for both
plus shipping
25 watt 25-60 MHz slug and 25 watt 50-125 MHz slug
http://members.cox.net/radiodx5/bird25a_slug.jpg
http://members.cox.net/radiodx5/bird25b_slug.jpg

Stancor PC-8403 HV Power Transformer-NOS, NIB.....$32 plus shipping
Good for a homebrew low power transmitter or receiver project.
This transformer has the following windings: 117 v primary, 500 volt CT
at 70 ma, 5 v at 2 amps, 6.3 v CT at 3 amps
http://members.cox.net/radiodx5/stancor_pc8403.jpg

Thordarson T19P57 HV Power Transformer - NOS, NIB.....$50 plus shipping
Dual plate supply high voltage power transformer. This transformer is

NOS and new in the box. This transformer has the following windings: 115
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1075-507-0-507-1075 volts at 150 mA secondary
http://members.cox.net/radiostuff9/thordhvxfmr.jpg
http://members.cox.net/radiostuff9/thordhvxfmr3.jpg

National MB-150 Multi-Band Tank Circuit.....$60 plus shipping
80-10 meter tank assembly for a pair of 807?s or a single 829
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http://members.cox.net/radiostuff9/nationalMB502.JPG
http://members.cox.net/radiostuff9/nationalMB503.JPG

Heathkit Original Manuals
I have around 200 original Heathkit manuals plus a few National, Drake
and other manuals for sale.
List can be viewed here:
http://members.cox.net/radiostuff9/manuals_fs.htm

****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

368. Looking for FM receiver schematic(s)

Yahoo group: glowbugradio
Date: 2009-07-24 17:06:30 UTC
From: Rick Robinson
Topic: 368 Message: 368

I've recently built a couple of AA5 type AM receivers and would like to try my hand at an FM receiver (but, unfortunately, my abilities to adapt circuit is laughable at best).

Does anyone know of any schematics/plans to build an AA5-style FM/BCB receiver? (and it DOESN'T have to be stereo).

Tks-- rick/KD4GNK

369. Re: [glowbugradio] Looking for FM receiver schematic(s)

Yahoo group: glowbugradio
Date: 2009-07-24 17:42:48 UTC
From: Deane McIntyre
Topic: 368 Message: 369

This message was transferred with a trial version of CommuniGate(tm) Pro

On 24-Jul-09, at 11:06 AM, Rick Robinson wrote:

>
> I've recently built a couple of AA5 type AM receivers and would like
> to try my hand at an FM receiver (but, unfortunately, my abilities to
> adapt circuit is laughable at best).
>
> Does anyone know of any schematics/plans to build an AA5-style FM/BCB
> receiver? (and it DOESN'T have to be stereo).
>

Schematics along with a circuit description for these radios were
published
for many years at the back of the RCA receiving tube manuals.

However circuits that are to operate at 100 MHz are much more fussy
than those
indented to operate at 1 MHz.

Good luck with your project!

73,

Deane McIntyre VE6BPO

370. Hello Glowbugradio

Yahoo group: glowbugradio
Date: 2009-07-24 19:45:19 UTC
From: Theosleaper
Topic: 370 Message: 370

Well, maybe I asked for it, but the Glowbugs have stopped their email traffic to me.
The link to my website, being primarily of a religious nature, may have been a problem.
I had a bit of traffic going when I invited the Glowbugs to look at my "Apollo Saved" link.
regards, Rick, K1WYH

Hope, Vision & Possibilities: http://home.comcast.net/~theosleaper

371. Re: [glowbugradio] Hello Glowbugradio

Yahoo group: glowbugradio
Date: 2009-07-24 20:13:08 UTC
From: Carl
Topic: 370 Message: 371

I suggest removing that link on here also

Carl
KM1H

----- Original Message -----
From: Theosleaper
To: Glowbugradio
Sent: Friday, July 24, 2009 3:45 PM
Subject: [glowbugradio] Hello Glowbugradio

Well, maybe I asked for it, but the Glowbugs have stopped their email traffic to me.
The link to my website, being primarily of a religious nature, may have been a problem.
I had a bit of traffic going when I invited the Glowbugs to look at my "Apollo Saved" link.
regards, Rick, K1WYH

Hope, Vision & Possibilities: http://home.comcast.net/~theosleaper

372. Re: [glowbugradio] Looking for FM receiver schematic(s)

Yahoo group: glowbugradio
Date: 2009-07-25 01:17:41 UTC
From: Charles MacDonald
Topic: 368 Message: 372

Rick Robinson wrote:
> I've recently built a couple of AA5 type AM receivers and would like
> to try my hand at an FM receiver (but, unfortunately, my abilities to
> adapt circuit is laughable at best).
>
> Does anyone know of any schematics/plans to build an AA5-style FM/BCB
> receiver? (and it DOESN'T have to be stereo).

Many commercial circuits are available on line. Hardest problem would
be comming up with the coils. Looking at a service manual for the
design you are thinking of may give you some idea on the layout.

You may find somthing here
http://members.shaw.ca/pacifictv/radioschematics.htm
or some larger ones here:
http://members.shaw.ca/pacifictv/wanted.htm

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

373. Re: [glowbugradio] Hello Glowbugradio

Yahoo group: glowbugradio
Date: 2009-07-25 06:21:40 UTC
From: Mike-WE0H
Topic: 370 Message: 373

The server the Glowbugs and many other reflector's were on fried a few days ago. Ken is working on putting the old data on a new server and said the server may be back online in a couple weeks.

Mike
WE0H

Theosleaper wrote:
>
>
> Well, maybe I asked for it, but the Glowbugs have stopped their email
> traffic to me.
> The link to my website, being primarily of a religious nature, may
> have been a problem.
> I had a bit of traffic going when I invited the Glowbugs to look at my
> "Apollo Saved" link.
> regards, Rick, K1WYH

374. WTB: Power and audio transformers for SX-15, SX-18, SX-24

Yahoo group: glowbugradio
Date: 2009-07-25 14:27:23 UTC
From: Carl
Topic: 374 Message: 374

I seem to attract these dead radios destroyed by those who feel it is perfectly OK to plug in an old radio and expect it to work as new.

There is a special place reserved in hell for them! And present them with a Homer Simpson Award....DUH.

Hallicrafters used the same transformers in several models and what I really need is anything that looks like an original and has the same mounting pattern. I can paint covers to match.

Carl
KM1H

Carl
KM1H

375. Re: [glowbugradio] WTB: Power and audio transformers for SX-15, SX-18, SX-24

Yahoo group: glowbugradio
Date: 2009-07-25 17:05:38 UTC
From: Kenneth G. Gordon
Topic: 374 Message: 375

On 25 Jul 2009 at 14:27, Carl wrote:

> I seem to attract these dead radios destroyed by those who feel it is perfectly OK to plug in an old
> radio and expect it to work as new.

I have an otherwise excellent NC-57 exactly like that.

> There is a special place reserved in hell for them!

Yes...buried up to their neck in boiling potting tar... :-(

> And present them with a Homer Simpson
> Award....DUH.

At least.

>
> Hallicrafters used the same transformers in several models and what I really need is anything that
> looks like an original and has the same mounting pattern. I can paint covers to match.

Sorry. Don't have one.

I thought you and I thought alike about Halli-crappers...so why are you attempting to rebuild one of those PsOS?

Ken W7EKB

376. Re: [glowbugradio] WTB: Power and audio transformers for SX-15, SX-18, SX-24

Yahoo group: glowbugradio
Date: 2009-07-25 17:44:33 UTC
From: Carl
Topic: 374 Message: 376

Some of the pre WW2 ones arent half bad and those old German Silver dials look cool on display. I actually use a SX-9 at times.

Also looking for a HT-18 VFO for the HT-9 transmitter which is paired with a SX-42.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Saturday, July 25, 2009 1:05 PM
Subject: Re: [glowbugradio] WTB: Power and audio transformers for SX-15, SX-18, SX-24

On 25 Jul 2009 at 14:27, Carl wrote:

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> looks like an original and has the same mounting pattern. I can paint covers to match.

Sorry. Don't have one.

I thought you and I thought alike about Halli-crappers...so why are you attempting to rebuild one of those PsOS?

Ken W7EKB

377. Re: [glowbugradio] Hello Glowbugradio

Yahoo group: glowbugradio
Date: 2009-07-26 01:31:30 UTC
From: Kenneth G. Gordon
Topic: 370 Message: 377

On 25 Jul 2009 at 1:21, Mike-WE0H wrote:

> The server the Glowbugs and many other reflector's were on fried a few
> days ago. Ken is working on putting the old data on a new server and
> said the server may be back online in a couple weeks.

Thanks, Mike:

All the data has now been safely moved to the "new"
machine.

All I have to do now is install and configure the software...

It SHOULD be back up within the next week and a half.

Hopefully sooner. It depends on what OTHER emergencies
pop up.

Ken Gordon W7EKB

378. FS: Heathkit, National, Military, Gonset and Misc. Stuff

Yahoo group: glowbugradio
Date: 2009-07-31 00:09:32 UTC
From: David Hollander
Topic: 378 Message: 378

I have a bunch of equipment for sale. Prices do not include shipping.
I will ship overseas. Any questions, please e-mail me or feel free to
call me at 602-803-6290.

Thanks for looking and 73.....Dave N7RK

Heathkit DX-40 Transmitter.....$90 plus shipping
Working transmitter that puts out 30-35 watts on each band. Works on AM
also. Missing the logo and crystal door which I believe are available as
reproductions. Meter is not original but looks pretty close to the
original. Includes a photocopy of the manual.
http://members.cox.net/radiodx3/dx402.jpg
http://members.cox.net/radiodx3/dx4024.jpg
http://members.cox.net/radiodx3/dx4025.jpg
http://members.cox.net/radiodx3/dx4026.jpg
http://members.cox.net/radiodx3/dx4028.jpg

Heathkit HM-15 SWR Meter....$22 plus shipping
Working but slightly cosmetically challenged SWR meter with photocopy of
manual.
http://members.cox.net/radiostuff9/hm15.jpg
http://members.cox.net/radiostuff9/hm152.jpg

W.W.II Signal Corps BC-314 Radio Receiver....$200 plus shipping
This is a BC-314 that has a homebrew ac power supply added to make it
like a BC-344. This radio does work. I listened to signals on the
broadcast band and a few VLF beacons. It has a few mod's which are
easily reversible. A previous owner added a BNC antenna connector and
removed the auxiliary power connector from the front panel.Their does
not appear to be any extra holes from these mods. The name plate and one
of the bottom center screw locks are missing. All these parts except the
nameplate can be found on a BC-312 or BC-342 junker. Includes the 178
page manual on a CD in "pdf" format.
http://members.cox.net/radiostuff9/bc344.JPG
http://members.cox.net/radiodx3/bc3443.JPG
http://members.cox.net/radiodx3/bc3446.JPG

National NC-46 Receiver.....$75 plus shipping
Clean insides but has a few disconnected wires so it is untested. Also
missing the dial glass and one piece of decorative trim.
http://members.cox.net/radiostuff9/nc46.jpg
http://members.cox.net/radiostuff9/nc466.jpg
http://members.cox.net/radiostuff9/nc465.jpg

Homebrew VHF Receiver with MCN Dial....$28 plus shipping
Lot?s of parts inside

http://members.cox.net/radiodx5/vhf_rcvr.jpg
http://members.cox.net/radiodx5/vhf_rcvr2.jpg

Gonset Control Head with Speaker.....$22 plus shipping
Unusual and most likely totally useless collectible Gonset item.
http://members.cox.net/radiodx5/gonset_xhead.jpg
http://members.cox.net/radiodx5/gonset_xhead2.jpg

Matched Pair of Hermetically Sealed 50 mA Meters.....$24 plus shipping
New in the box
http://members.cox.net/radiodx5/50ma_metersx2.jpg

Thordarson T19P57 HV Power Transformer - NOS, NIB......$40 plus shipping
Dual plate supply high voltage power transformer. This transformer is
NOS and new in the box. This transformer has the following windings: 115
v primary,
1075-507-0-507-1075 volts at 150 mA secondary
http://members.cox.net/radiostuff9/thordhvxfmr.jpg
http://members.cox.net/radiostuff9/thordhvxfmr3.jpg

Heathkit Original Manuals
I have around 200 original Heathkit manuals plus a few National, Drake
and other manuals for sale.
List can be viewed here:
http://members.cox.net/radiostuff9/manuals_fs.htm

****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

379. WTB: Hallicrafters HT-9 driver and final coil assemblies

Yahoo group: glowbugradio
Date: 2009-08-05 14:34:50 UTC
From: Carl
Topic: 379 Message: 379

Im looking for any of the plug in coil networks for both driver stages as well as the final tank coils.

I believe that the cans used for the driver were used on other HT rigs and possibly the BC-610?

The 814 final coils used a unique spacing ceramic jack bar.

All part # start with 51B

Carl
KM1H

380. WTB: Power and audio transformers for SX-15, SX-16 and SX-18

Yahoo group: glowbugradio
Date: 2009-08-05 14:49:34 UTC
From: Carl
Topic: 380 Message: 380

Im looking for whatever fits the mounting holes and appears close to original. The SX-23 and SX-24 should have the same parts.

I'll even buy a complete junker as long as the transformers are good.

Carl
KM1H

381. Query about status of "Glowbugs"

Yahoo group: glowbugradio
Date: 2009-08-05 18:29:14 UTC
From: Rick Robinson
Topic: 381 Message: 381

Just curious about the status of the "Glowbugs" mailing list.

Last thing I had heard was a message from Ken last week.

Just wondering how things were proceeding.

ric/kd4gnk

382. Re: [glowbugradio] Query about status of "Glowbugs"

Yahoo group: glowbugradio
Date: 2009-08-05 18:38:17 UTC
From: Kenneth G. Gordon
Topic: 381 Message: 382

On 5 Aug 2009 at 14:29, Rick Robinson wrote:

>
>
> Just curious about the status of the "Glowbugs" mailing list.
>
> Last thing I had heard was a message from Ken last week.
>
> Just wondering how things were proceeding.

It is proceeding apace.

I have been fighting considerable hardware "issues" but have them pretty much resolved now with some help from eBay.

Keeping my fingers crossed, things should be back to normal by the end of this week.

Ken Gordon W7EKB

383. Hammarlund HQ-129

Yahoo group: glowbugradio
Date: 2009-08-06 18:21:25 UTC
From: aj7e_x
Topic: 383 Message: 383

I'm restoring a Hammarlund HQ-129 that I believe belonged to me a long time ago. This is my 1st. time here. Q#1: does anyone know the cabinet paint color? Q#2: are there any replacement panels available?
Q#3: The front panel has some damage and should be repainted. If the lettering was engraved ot can be easily done, but this lettering looks like a transfer. Antone have any ideas ?
Bill W0JCL

384. Re: [glowbugradio] Hammarlund HQ-129

Yahoo group: glowbugradio
Date: 2009-08-06 20:17:28 UTC
From: Carl
Topic: 383 Message: 384

Welcome Bill.

I got my new repro panel off Ebay a few months ago, its perfect. Do a search on Hammarlund. If no luck I'll try and dig up the guys phone #. He also sells the digital readout box for boatanchors and runs the panels 25 at a time. The original and his lettering are silk screened.

Cabinets were brown or dark gray; the brown is rather scarce.

Carl
KM1H

----- Original Message -----
From: aj7e_x
To: glowbugradio@yahoogroups.com
Sent: Thursday, August 06, 2009 2:21 PM
Subject: [glowbugradio] Hammarlund HQ-129

I'm restoring a Hammarlund HQ-129 that I believe belonged to me a long time ago. This is my 1st. time here. Q#1: does anyone know the cabinet paint color? Q#2: are there any replacement panels available?
Q#3: The front panel has some damage and should be repainted. If the lettering was engraved ot can be easily done, but this lettering looks like a transfer. Antone have any ideas ?
Bill W0JCL

385. Re: Query about status of "Glowbugs"

Yahoo group: glowbugradio
Date: 2009-08-06 21:03:15 UTC
From: Rick Robinson
Topic: 381 Message: 385

>It is proceeding apace.
>
>I have been fighting considerable hardware "issues" but have them
>pretty much resolved now with some help from eBay.
>
>Keeping my fingers crossed, things should be back to normal by the
>end of this week.
>
>Ken Gordon W7EKB

Thanks for the info. As to the hardware 'issues' you have my total sympathies. Hope you have a good supply of anti-depressants, antacids, asprin, and copious amounts of alcohol to stem the frustrations <g>

rick/kd4gnk

386. Glowbugs Update

Yahoo group: glowbugradio
Date: 2009-08-08 18:19:35 UTC
From: rbethman
Topic: 386 Message: 386

On 8 Aug 2009 at 13:29, rbethman wrote:

>
> Ken,
>
> Here is a message I've been asked to pass on to you.
>
> It is an offer to try and run down what is needed.
>
> Bob - N0DGN

Thanks, Bob. At this point, I have everything I need. The systems I am working on are both old (and yet older) HP servers.

I am almost finished with the first one I started on, having made remarkable progress last week.

I only have left to install and configure majordomo, and the Apache web server at this point.

I WAS having some major troubles configuring SENDMAIL (no surprise there!!!), but this morning, a small change I made seems to have cured its ills.

Please pass on to anyone who wishes to know anything I send to you.

BTW, I also have a large SUN server, but it is so noisy that I have not yet found a place I can put it where it wouldn't drive everyone out of the room.

I also have several really nice UPSs. I intend to connect both servers to one of those in hopes that doing so will eliminate any further problems with power-line glitches.

Ken Gordon W7EKB

--
+---+
| AM Amateur Radio Operator N?DGN |
+---+
| Bob Bethman \\\|/// " The absence of a danger |
| \\ ~ ~ // signal does *NOT* mean |
| rbethman@... (/ @ @ /) that everything is OK " |
+-------------------------oOOo-(_)-oOOo----------------------------+

387. Re: [Boatanchors] Glowbugs Update

Yahoo group: glowbugradio
Date: 2009-08-09 16:25:14 UTC
From: Ian Wilson
Topic: 386 Message: 387

Amazing how much we miss the things we tend to take for granted, like
the inimitable Glowbugs reflector, when they go away.

I, for one, appreciate all the hours that Ken has put into supporting this
quietly, and hope with the rest of us that his trusty Unix skills will triumph!

73, ian K3IMW

388. Re: [Boatanchors] Glowbugs Update

Yahoo group: glowbugradio
Date: 2009-08-09 16:45:03 UTC
From: rbethman
Topic: 386 Message: 388

I find it JUST as amazing how long it has run when one considers that
Ken is running on a server that is around 14 years or so old. That is a
LONG time for any computer! Those old HP-9000s, and maybe HP-UX
version 10 or 11 worked fine back then. Ken has new machines and
software versions - yet - he does his best to keep antiques going!

Bob - N0DGN

Ian Wilson wrote:
> Amazing how much we miss the things we tend to take for granted, like
> the inimitable Glowbugs reflector, when they go away.
>
> I, for one, appreciate all the hours that Ken has put into supporting this
> quietly, and hope with the rest of us that his trusty Unix skills will triumph!
>
> 73, ian K3IMW
>

389. Re: [glowbugradio] Re: [Boatanchors] Glowbugs Update

Yahoo group: glowbugradio
Date: 2009-08-09 18:19:46 UTC
From: Kenneth G. Gordon
Topic: 386 Message: 389

On 9 Aug 2009 at 12:45, rbethman wrote:

>
>
> I find it JUST as amazing how long it has run when one considers that
> Ken is running on a server that is around 14 years or so old. That is a
> LONG time for any computer! Those old HP-9000s, and maybe HP-UX
> version 10 or 11 worked fine back then.

Actually, the machine that my server WAS running on was an ancient HP-735/125, even older than an HP-9000.

I too was truly amazed at how reliable it was. Our college bought it used at least 10 years ago, and it would probably still be running if it weren't for a series of power line glitches caused by several nearby lightning strikes.

> Ken has new machines and
> software versions - yet - he does his best to keep antiques going!

Yes. The reason being that I am not supposed to spend College money on such things, although I AM expected to provide other services, including "...services to the community..." :-)

There will be two servers providing such services when I am finally finished: one will be on an HP-9000/D370 machine which has had very little use over its lifetime. That one will be the backup machine in case the main one, an rp2475, should fail for any reason.

The rp2475 has both a gigbit NIC and a 100 MB/S NIC, whereas the old 735/125 had only a 10 MB/S NIC.

Also, I have installed OpenSSH and OpenSSL on both new machines, making them more secure. I am also using the latest version of the Apache web server.

I am also making sure, as I did with the old machine, that problems with SPAM are kept to a minimum....like non-existent.

Late Friday, I got several problems with the sendmail configuration fixed, but still have some problems with its configuration...which should be no surprise to anyone familiar with sendmail!!!!! What a pain in the tush!

I hope you all find this information of interest and would pass it on to anyone else wondering what is going on.

BTW, someone in our group sent a query to the head of the University's information services last week asking why our server was down....

I kinda wish that hadn't happened, but I understand their concern...

I replied directly to that person.

vy 73,

Ken Gordon W7EKB

390. Using a SG-230 Smartuner on AM

Yahoo group: glowbugradio
Date: 2009-08-09 18:32:16 UTC
From: Carl
Topic: 390 Message: 390

Has anyone tried running a 100W output AM rig thru one of these?

Id like to be able to be able to run a Viking I or II thru one using a 160 and 75M dipole in parallel for 160-20M.

Carl
KM1H

391. Re: [glowbugradio] Re: [Boatanchors] Glowbugs Update

Yahoo group: glowbugradio
Date: 2009-08-09 18:59:49 UTC
From: rbethman
Topic: 386 Message: 391

Ken, I remember the HP-735s! Good grief man, are you "trying" to go batty?

It would be VERY nice if folk would NOT E-mail your boss!

I hope that person GOT THE HINT!

Bob - N0DGN

Kenneth G. Gordon wrote:
>
>
>
> Actually, the machine that my server WAS running on was an ancient HP-
> 735/125, even older than an HP-9000.
>
> I too was truly amazed at how reliable it was. Our college bought it
> used at
> least 10 years ago, and it would probably still be running if it
> weren't for a
> series of power line glitches caused by several nearby lightning strikes.
>
> Yes. The reason being that I am not supposed to spend College money on
> such things, although I AM expected to provide other services, including
> "...services to the community..." :-)
>
> There will be two servers providing such services when I am finally
> finished:
> one will be on an HP-9000/D370 machine which has had very little use over
> its lifetime. That one will be the backup machine in case the main
> one, an
> rp2475, should fail for any reason.
>
> The rp2475 has both a gigbit NIC and a 100 MB/S NIC, whereas the old
> 735/125 had only a 10 MB/S NIC.
>
> BTW, someone in our group sent a query to the head of the University's
> information services last week asking why our server was down....
>

> I kinda wish that hadn't happened, but I understand their concern...
>
> I replied directly to that person.
>
> vy 73,
>
> Ken Gordon W7EKB

>
>

392. Re: [glowbugradio] Re: [Boatanchors] Glowbugs Update

Yahoo group: glowbugradio
Date: 2009-08-09 21:17:35 UTC
From: Kenneth G. Gordon
Topic: 386 Message: 392

On 9 Aug 2009 at 14:59, rbethman wrote:

> Ken, I remember the HP-735s! Good grief man, are you "trying" to go batty?

Not this time, Robert :-)

That system ran for years with minimal attention....once I had it in operation.

But now it is toast.

> It would be VERY nice if folk would NOT E-mail your boss!

Well, in this case, the people they e-mailed weren't my boss. In our College,
we have worked for years to have as little to do with ITS as possible, building
and maintaining our own systems.

In fact, "we" had the first operating network on campus.

Yet, nonetheless, ITS is our gateway to the "outside" and thus we have to
maintain good relations with them.

> I hope that person GOT THE HINT!

Yes. I talked with him on the 'phone...

Actually, he is a good fellow....just not aware of exactly what is going on.

Ken W7EKB

393. Looking for suggestions

Yahoo group: glowbugradio
Date: 2009-08-11 04:15:48 UTC
From: Stan
Topic: 393 Message: 393

I have been wanting to build a glowbug transmitter for a while that ran slighly more power than a QRP one. I want a key click and chirp free transmitter.

I have been considering a 6J6 push-pull oscillator (Jones oscillator) design from the 190s. Driving a pair of 5763s with push-pull drive and single ended output (switch off filament of one 5763 for fin = fout, and with filament of both tubes on fout = 2 fin). It would not require neutralization. Thinking about using 7 mHz xtals. Output would be 7 mhz or 14 mhz.

While the RF string would be glowbug, believe keying control and shaping should be solid state.

Interested in ideas and article sources on using solid state to shape and control the keying. Any suggestions?

tnx, Stan AK0B

394. Re: [glowbugradio] Looking for suggestions

Yahoo group: glowbugradio
Date: 2009-08-11 14:29:45 UTC
From: Carl
Topic: 393 Message: 394

My preference is no crystals or at least a VXO. Its very hard to get anyone to tune even 2 kc these days. And those 50-70 year old crystals arent as active as they used to be.

The Vackar or Franklin VFO are the most stable and the 12AT7 is my tube of choice.

The 6J6 makes a great xtal oscillator/buffer and mixer if you want to go the hetrodyne route.

Carl
KM1H

----- Original Message -----
From: Stan
To: glowbugradio@yahoogroups.com
Sent: Tuesday, August 11, 2009 12:15 AM
Subject: [glowbugradio] Looking for suggestions

I have been wanting to build a glowbug transmitter for a while that ran slighly more power than a QRP one. I want a key click and chirp free transmitter.

I have been considering a 6J6 push-pull oscillator (Jones oscillator) design from the 190s. Driving a pair of 5763s with push-pull drive and single ended output (switch off filament of one 5763 for fin = fout, and with filament of both tubes on fout = 2 fin). It would not require neutralization. Thinking about using 7 mHz xtals. Output would be 7 mhz or 14 mhz.

While the RF string would be glowbug, believe keying control and shaping should be solid state.

Interested in ideas and article sources on using solid state to shape and control the keying. Any suggestions?

tnx, Stan AK0B

395. WTB: Hard Cover Copy of 1967 ARRL Handbook.

Yahoo group: glowbugradio
Date: 2009-08-16 19:01:11 UTC
From: david6fl
Topic: 395 Message: 395

I would like to get a hard cover copy of the 1967 ARRL handbook. I have a soft cover copy but want a hard cover one.

David
KC2JD/4

396. FS: Eddystone Dial, Groth, Johnson and Military Turns Counters/ Vernier Dials

Yahoo group: glowbugradio
Date: 2009-08-16 19:39:07 UTC
From: David Hollander
Topic: 396 Message: 396

I have a bunch of vernier dials/turns counters for sale. These would be great for homebrew projects such as linear amplifiers, tuner and transmitters. Prices do not include shipping. I will ship overseas. Any questions, please e-mail me or feel free to call me at 602-803-6290.

Thanks for looking and 73.....Dave N7RK

Eddystone Dial, NOS, NIB.....$130 plus shipping
http://members.cox.net/radiodx5/eddystone_dial.jpg
http://members.cox.net/radiodx5/eddystone_dial2.jpg
http://members.cox.net/radiodx5/eddystone_dial3.jpg
http://members.cox.net/radiodx5/eddystone_dial4.jpg
http://members.cox.net/radiodx5/eddystone_dial5.jpg

Groth Turns Counter #1 - NOS, NIB - $80 plus shipping
http://members.cox.net/radiodx5/groth442.jpg

Groth Turns Counter #2 used - $45 plus shipping
http://members.cox.net/radiodx5/groth_dial2.jpg

E.F. Johnson Counter Dial Assembly, NOS, NIB - $50 plus shipping
http://members.cox.net/radiodx5/johnson_dial.jpg
http://members.cox.net/radiodx5/johnson_dial2.jpg
http://members.cox.net/radiodx5/johnson_dial3.jpg

Military Transmitter Verniers
I believe these came from a military transmitter. These have a National velvet vernier on the back side

Marked Antenna Tuning Inductance.....$40 plus shipping
http://members.cox.net/radiodx5/xmtrvernier3.jpg
http://members.cox.net/radiodx5/xmtrvernier4.jpg

Marked Antenna Coupling.....$40 plus shipping
http://members.cox.net/radiodx5/xmtrvernier7.jpg
http://members.cox.net/radiodx5/xmtrvernier8.jpg

Marking Label and Lock Knob Missing.....$30 plus shipping
http://members.cox.net/radiodx5/xmtrvernier9.jpg
http://members.cox.net/radiodx5/xmtrvernier91.jpg

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****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

397. Coax for sale

Yahoo group: glowbugradio
Date: 2009-08-16 23:27:45 UTC
From: kk7iz
Topic: 397 Message: 397

Just found a whole pot full of coax jumpers. Most are RG-58C/U. Many are Pomona.
All have a UG-88 coax connector installed on each end.
A few of 1-2 foot pieces $0.50 each
A lot of 4 foot pieces $1.00 each
A few longer, let me know what you need and I will price.
Remember, this comes with connectors installed. You can't buy one if the connectors for this price.
All are plus shipping. I can get quite a bit in a $4.95 flat rate envelope
Thanx
Lloyd KK7IZ
kk7iz@...
480-620-7145

398. Re: Coax for sale

Yahoo group: glowbugradio
Date: 2009-08-16 23:44:58 UTC
From: kk7iz
Topic: 397 Message: 398

Should have said UG 88 BNC MALE connector on rach end.
--- In glowbugradio@yahoogroups.com, "kk7iz" <kk7iz@...> wrote:
>
> Just found a whole pot full of coax jumpers. Most are RG-58C/U. Many are Pomona.
> All have a UG-88 coax connector installed on each end.
> A few of 1-2 foot pieces $0.50 each
> A lot of 4 foot pieces $1.00 each
> A few longer, let me know what you need and I will price.
> Remember, this comes with connectors installed. You can't buy one if the connectors for this price.
> All are plus shipping. I can get quite a bit in a $4.95 flat rate envelope
> Thanx
> Lloyd KK7IZ
> kk7iz@...
> 480-620-7145
>

399. Re: Coax for sale

Yahoo group: glowbugradio
Date: 2009-08-17 05:27:37 UTC
From: kk7iz
Topic: 397 Message: 399

Coax all sold
--- In glowbugradio@yahoogroups.com, "kk7iz" <kk7iz@...> wrote:
>
> Just found a whole pot full of coax jumpers. Most are RG-58C/U. Many are Pomona.
> All have a UG-88 coax connector installed on each end.
> A few of 1-2 foot pieces $0.50 each
> A lot of 4 foot pieces $1.00 each
> A few longer, let me know what you need and I will price.
> Remember, this comes with connectors installed. You can't buy one if the connectors for this price.
> All are plus shipping. I can get quite a bit in a $4.95 flat rate envelope
> Thanx
> Lloyd KK7IZ
> kk7iz@...
> 480-620-7145
>

400. New members please introduce yourselves

Yahoo group: glowbugradio
Date: 2009-08-17 15:11:37 UTC
From: Carl
Topic: 400 Message: 400

It looks like quite a few new members signed up recently and welcome aboard.

How about a little intro, what you like to work on, etc.

Others please also jump in and lets get some activityy going. There is plenty of room in the photos and files section for new material.

Carl

401. Re: [glowbugradio] New members please introduce yourselves

Yahoo group: glowbugradio
Date: 2009-08-17 15:35:08 UTC
From: David C. Hallam
Topic: 400 Message: 401

My name is David C. Hallam and live in Clearwater, FL. I have been a ham since 1964, KC2JD. I have held calls in IL, MO, CT, NY, NJ, and FL. I just applied for a vanity call so it will probably be changing again. I never went for the extra class because of the 20 wpm code requirement but I guess with the no code requirement I have no excuse.

I have four operating positions in my station; Collins 75S-3 and Hallicrafters HT-32B with HB 4CX1500A linear, Collins R-390 with CV-591 SSB converter and Invader 2000, SBE-33 and SBE SLA-1 linear, and Kenwood TS-130S.

I repair and restore tube type receivers and transmitters. I have a well equipped work bench. However it's in my garage so I don't spend as time there as I would like in the FL summer.

David
KC2JD/4

Carl wrote:
>
>
> It looks like quite a few new members signed up recently and welcome aboard.
>
> How about a little intro, what you like to work on, etc.
>
> Others please also jump in and lets get some activityy going. There is
> plenty of room in the photos and files section for new material.
>
> Carl
>
>

402. Re: [glowbugradio] New members please introduce yourselves

Yahoo group: glowbugradio
Date: 2009-08-17 19:23:21 UTC
From: Carl Yaffey
Topic: 400 Message: 402

Hi. I'm Carl Yaffey, K8NU.
Licensed originally as WN4EZB in Norfolk, VA in 1954. Other calls:
W4EZB, W8IML.
My tube gear consists of:
HQ-140XA, Ranger I, NC-303, Valiant I, Heath AT-1/VF-1, S-38A.
I do very little construction but I'm interested in all phases of this
great hobby.
73,
Carl Yaffey K8NU
Banjo, guitar, bass, mandolin, dobro lessons.
Pro Tools recording studio.
cyaffeyNO_SPAM@...
614 268 6353, Columbus OH
http://www.carl-yaffey.com
http://www.grassahol.com

403. RE: [glowbugradio] New members please introduce yourselves

Yahoo group: glowbugradio
Date: 2009-08-18 15:30:29 UTC
From: Tom Rousseau
Topic: 400 Message: 403
Attachments: 2 described; binary payloads are missing from this source WARC

Great idea, Carl.

Tom here. K7PJT. Hood River, Oregon. Retired Tektronix engineer. Licensed ham since 1961. I have a fairly extensive collection of BAs from the 30s through 80s.

Greatest interest in radios that were innovative in their time. not necessarily market success, but creative in some interesting way. Some examples in my collection include: Hallicrafters DD-1, FPM-200; Davco DR-3; Hammarlund Comet Pro, Pro-310; Central Electronics 100V, 600L; Collins 75A-1, KWM-1; B&W 6100; SBE-33; Squires-Sanders SS-1R.

Then there are the radios that were really great values with good to superb performance at a good price: virtually every Drake ever made; Hallicrafters SX-100, HT-37, SX-28; Heathkit DX-100, Apache, SB Series; Morrow; Central Electronics 10/20 Series; Hammarlund HQ-129X.

And then there are the radios that exuded quality or a delectably sensuous feel: Hallicrafters SX-73, SX-88, SX-115, HT-32B; National classic HROs, NC-183/D, NCX-5, NCL-2000, HRO 500; Hammarlund Super Pros; many Johnson transmitters; most Collins; Pierson; RCA AR-88.

My joy is in restoring the radios to original-as-possible condition, and reverse engineering the innovations and designs to try to get into the minds of the designers and understand the 'balance' that led to their design choices. Excellent engineering is not "solutions at any cost", but rather, achieving the best balance between performance, cost, and overall user satisfaction. In scope-land, that was the Tek 547. In radio land, it's probably the Drake 4-Line, or the 75A-4/100V combo. The S-38 radios were well balanced, too; not very good radios, but for the price it got many of us started on a life-long quest.

At any rate, it's fun, interesting, and keeps me out of trouble (most of the time). Looking forward to other peoples stories.

73, Tom

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Monday, August 17, 2009 8:12 AM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] New members please introduce yourselves

It looks like quite a few new members signed up recently and welcome aboard.

How about a little intro, what you like to work on, etc.

Others please also jump in and lets get some activityy going. There is plenty of room in the photos and files section for new material.

Carl

404. Re: [glowbugradio] New members please introduce yourselves

Yahoo group: glowbugradio
Date: 2009-08-18 19:10:11 UTC
From: N2EY@aol.com
Topic: 400 Message: 404

First licensed as WN3IYC in October 1967. Upgraded to Tech and Advanced in 1968, which made me WA3IYC. Moved to New York State in 1977 and was sequentially issued N2EY. Moved back to EPA in 1979 but kept the call.

Started building radios before I was licensed because it was cheaper and I had very little radio money. First ham RX was a two-tube regen, first TX was a 6V6GT oscillator on 3726 kc. Over the years have had various kit, manufactured, and converted-surplus rigs but always?went back to homebrewing.

Have?"some" parts and tubes?so if you need something, let me know, I just may have it. Also a collection of books and info. Lots of old PC stuff too (486 to P4).

Current rigs:

Southgate Type 7 homebrew CW transceiver, Elecraft K2, Heath HW-2036

Rigs I've owned and used on the air:

Heathkit AR-2/QF-1, DX-20, HW-101

EFJ Adventurer, Viking 2/122

National NC-173

RME-45

Gonset Super 6

TT Argosy

BC-342N, BC-348R, BC-454, BC-453+converter, BC-457

I hope to put some pictures of the shack up soon.

73 de Jim, N2EY

405. RE: [glowbugradio] New members please introduce yourselves

Yahoo group: glowbugradio
Date: 2009-08-18 19:23:06 UTC
From: Russ Williams
Topic: 400 Message: 405

Hello All.

This is Russ Williams, KW6T in Latrobe, CA. I have been licensed since 1985 (KB6JNM, Novice) with an 8 year lapse due to raising a family, etc. My heart has been in electronics, and more so, radio since a very young age. In fact, during my grade school years in the 1960's, my bedroom was littered with radio chassis's, tubes, speakers and what have you.

Unfortunately, my electronics education was largely gained from years of trial and error experimentation; yes, I found out a a young age what a selenium rectifier would do if plugged directly into the wall outlet! (Ever done that? ;-)) Nevertheless, I still love every minute of radio operation and experimentation, even when things don't quite work in my favor.

I was drawn to radio tubes from a very early age starting with my Dad's little guitar amp that had a couple of gassy tubes that presented a wonderful blue cast as the heaters warmed the cathodes. It was magic to this 5-year-old at the time. Soon, I discovered a couple of car radios he had stashed in the shack outside and decided to dissect them without permission! Old televisions and more radios soon followed.

Having picked up the CB bug in the early 70's I wound up as a tech in a small CB shop for several months and built many sweep-tube amplifiers in my spare time. When CB deteriorated in the later 70's, I dropped out of radio being disgusted with the "people" that just detroyed the goodwill present for so many years. Ham radio finally caught up with me in 1985, but family life intervened.

Today, it is radio fun all over again when I can get a break from bowling (my wife's passion). Old gear includes a Johnson Valiant 1 and RME 4350 receiver, some Yaesu 101 gear, Drake L-4B amp, homebrew 4-400A amp for 50 Mhz and an ITT 6155 Aircraft control tower amp converted to 2 meters.

The regular station consists on modern gear. It can be seen on my fledgling website kw6t.com.

73 All. It's good to be here.

Russ
KW6T

406. RE: [Boatanchors] Cheap & Easy Selectivity

Yahoo group: glowbugradio
Date: 2009-08-20 15:38:00 UTC
From: D C *Mac* Macdonald
Topic: 406 Message: 406

I suspect it is similar to what I did to my dad's

old RCA Model 10-K console radio to gain som

selectivity and also a BFO "function" to be used

as the I.F. for a Morrow 5BR-1 mobile converter.

It was over 50 years ago and I don't remember

the circuit, but it involved making one I.F. stage

regenerative with a potentiometer to control

the amount of regeneration. The closer you got

to actual oscillation, the more the bandwidth

narrowed until the stage actually oscillated and

then you could receive CW.

As I implied above, the actual method is too far

back for my weakening brain cells to retrieve.

73 - Mac, K2GKK/5

(Since 30 Nov 53)

Oklahoma City, OK

From: gswynar@...
To: hbr@...; homebuilttuberadios@yahoogroups.com;

glowbugs@...; AmRadGear@yahoogroups.com;

boatanchors@...; novice-rigs@...;

antiquewirelessassociation@egroups.com
Date: Thu, 20 Aug 2009 11:13:57 -0400
Subject: [Boatanchors] Cheap & Easy Selectivity

Good Morning All,

I just ran across a sweet little article in a 1940 issue of the old

"RADIO" magazine on a fool-proof way of adding selectivity &

gain in an IF stage that (supposedly) approaches that obtainable

with a resonant crystal filter...but without the filter insertion loss,

of course.

The design is rather obscure in that I've never seen anything

quite like it in any ARRL publication. Suffice it to say that it

goes a bit extra beyond the mere "...place-the-plate-lead-into-

the-IF-can" approach of achieving feedback, yet it still looks

very "do-able", and I plan to incorporate it into my 1929-style

12-tube superhet here.

If anyone has access to any of the West Coast Handbooks of

the late 30's, you'll see the design used in the "Super/Ultra

Gainer" receiver designs described therein...

Wish me luck!

~73~ Eddy VE3CUI - VE3XZ

407. Re: [glowbugradio] Digest Number 107

Yahoo group: glowbugradio
Date: 2009-08-21 20:04:41 UTC
From: Paul Beckwith
Topic: 407 Message: 407

Just a quick note to welcome you new folks. I've been playing with
tube radios for 54 years and still enjoy them as much as
ever. Recently picked up a Navy RAL-7 RX from WWII that needs
significant work. It appears to have been stored in dampness for some time.

73's de Paul K2LMQ Kingman, AZ

At 05:44 AM 8/19/2009, you wrote:
><http://groups.yahoo.com/group/glowbugradio;_ylc=X3oDMTJlajRwbWdlBF9TAzk3MzU5NzE1BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDaGRyBHNsawNocGgEc3RpbWUDMTI1MDY4NTg0NQ-->Glowbug
>Radio
>
>
>Messages In This Digest (6 Messages)
>
>
>
>1a.
>New members please introduce yourselves From: Carl
>1b.
>Re: New members please introduce yourselves From: David C. Hallam
>1c.
>Re: New members please introduce yourselves From: Carl Yaffey
>1d.
>Re: New members please introduce yourselves From: Tom Rousseau
>1e.
>Re: New members please introduce yourselves From: N2EY@...
>1f.
>Re: New members please introduce yourselves From: Russ Williams

408. New: Manufacturers Source Codes data in LINKS

Yahoo group: glowbugradio
Date: 2009-08-28 14:41:49 UTC
From: geoff8122
Topic: 408 Message: 408

Find out who made that part with those strange numbers on it.

This is the most complete list Ive found yet. Its 10 pages long so scroll down past the guitar stuff to get to the real goodies.

Click on links for it and many other great sources. Let me know if any are no longer working. Add your own favorites too.

Carl
KM1H

409. Re: [glowbugradio] New: Manufacturers Source Codes data in LINKS

Yahoo group: glowbugradio
Date: 2009-08-28 15:18:46 UTC
From: William Zimmer
Topic: 409 Message: 409
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

410. Re: [glowbugradio] New: Manufacturers Source Codes data in LINKS

Yahoo group: glowbugradio
Date: 2009-08-28 15:31:51 UTC
From: Carl
Topic: 409 Message: 410

It works fine here.

Click on LINKS, scroll down to Manufacturers Source Codes and click on that. The URL is listed just below if you have to cut and paste or just follow this:
http://www.provide.net/~cfh/pots.html

Id like to know if others are having a problem.

Carl

----- Original Message -----
From: William Zimmer
To: glowbugradio@yahoogroups.com
Sent: Friday, August 28, 2009 11:18 AM
Subject: Re: [glowbugradio] New: Manufacturers Source Codes data in LINKS

Carl,

It may be me or my system, but I do not see the link to the MF#.

Thank you,

Bill Zimmer
N3VTW

----- Original Message -----
From: "geoff8122"
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] New: Manufacturers Source Codes data in LINKS
Date: Fri, 28 Aug 2009 14:41:49 -0000

Find out who made that part with those strange numbers on it.

This is the most complete list Ive found yet. Its 10 pages long so scroll down past the guitar stuff to get to the real goodies.

Click on links for it and many other great sources. Let me know if any are no longer working. Add your own favorites too.

Carl
KM1H

411. Re: [glowbugradio] New: Manufacturers Source Codes data in LINKS

Yahoo group: glowbugradio
Date: 2009-08-28 15:50:33 UTC
From: William Zimmer
Topic: 409 Message: 411
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

412. Re: Bliley Crystal Holder

Yahoo group: glowbugradio
Date: 2009-09-03 06:35:31 UTC
From: LEE BAHR
Topic: 409 Message: 412

I am building a Paraset Clone and need a Bliley Round Crystal Holder or any brand that uses this same size round crystal holder. I don't care what freqency it is on as I plan to install a different crystal within the case. (I actually could use two of them). Does anyone on here have one or two I could purchase?

Your help is greatly appreciated.

Lee, w0vt
Houston, TX

413. Question

Yahoo group: glowbugradio
Date: 2009-09-06 04:54:01 UTC
From: ka1unw
Topic: 413 Message: 413

I take it I can't post here.

414. Re: [glowbugradio] Question

Yahoo group: glowbugradio
Date: 2009-09-06 05:25:48 UTC
From: Jim
Topic: 413 Message: 414

It seems to be working, but in the future it might help to give us some on-topic content.

:)

Jim N6OTQ

--- On Sat, 9/5/09, ka1unw <ka1unw@...> wrote:

> I take it I can't post here.

415. Re: Looking for suggestions

Yahoo group: glowbugradio
Date: 2009-09-07 19:52:24 UTC
From: ka1unw
Topic: 393 Message: 415

Apparently I can't post here, even though I am a member so I have to answer behind everybody's back. :)

Go to my website and look at 6DQ6 transmitter. That circuit can be modified to work the bands you want.
The switch can be modified so that the oscillator and you key only the final which is what I used to do but I have found that there is no chirp with the oscillator I am using due to the very low crystal drive.
If you can't work out the values of UH and UUF let me know and I'll re-issue a diagram with the new values.

Randy
KA1UNW
http://pages.cthome.net/okmunwurx

--- In glowbugradio@yahoogroups.com, "Stan" <w9ifz@...> wrote:
>
> I have been wanting to build a glowbug transmitter for a while that ran slighly more power than a QRP one. I want a key click and chirp free transmitter.
>
> I have been considering a 6J6 push-pull oscillator (Jones oscillator) design from the 190s. Driving a pair of 5763s with push-pull drive and single ended output (switch off filament of one 5763 for fin = fout, and with filament of both tubes on fout = 2 fin). It would not require neutralization. Thinking about using 7 mHz xtals. Output would be 7 mhz or 14 mhz.
>
> While the RF string would be glowbug, believe keying control and shaping should be solid state.
>
> Interested in ideas and article sources on using solid state to shape and control the keying. Any suggestions?
>
> tnx, Stan AK0B
>

416. Re: [glowbugradio] Re: Looking for suggestions

Yahoo group: glowbugradio
Date: 2009-09-07 20:03:08 UTC
From: rbethman
Topic: 393 Message: 416

Randy,

You just did post here!

Don't know what trouble you "believe" you are having.

Bob - N0DGN

ka1unw wrote:
> Apparently I can't post here, even though I am a member so I have to answer behind everybody's back. :)
>
> Go to my website and look at 6DQ6 transmitter. That circuit can be modified to work the bands you want.
> The switch can be modified so that the oscillator and you key only the final which is what I used to do but I have found that there is no chirp with the oscillator I am using due to the very low crystal drive.
> If you can't work out the values of UH and UUF let me know and I'll re-issue a diagram with the new values.
>
> Randy
> KA1UNW
> http://pages.cthome.net/okmunwurx
>
>
>
>
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>> tnx, Stan AK0B
>>

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+--+
| AM Amateur Radio Operator N?DGN |
+--+
| Bob Bethman \\\|/// " The absence of a danger |
| \\ ~ ~ // signal does *NOT* mean |
| rbethman@... (/ @ @ /) that everything is OK " |
+----------------------o00o---?(_)?---o00o-------------------------+

417. Re: [glowbugradio] Re: Looking for suggestions

Yahoo group: glowbugradio
Date: 2009-09-07 21:12:26 UTC
From: Carl
Topic: 393 Message: 417

I have no idea why you think you have a problem. You tried a similar preamble a few days ago and were told it came thru fine.

Carl
KM1H

----- Original Message -----
From: ka1unw
To: glowbugradio@yahoogroups.com
Sent: Monday, September 07, 2009 3:52 PM
Subject: [glowbugradio] Re: Looking for suggestions

Apparently I can't post here, even though I am a member so I have to answer behind everybody's back. :)

Go to my website and look at 6DQ6 transmitter. That circuit can be modified to work the bands you want.
The switch can be modified so that the oscillator and you key only the final which is what I used to do but I have found that there is no chirp with the oscillator I am using due to the very low crystal drive.
If you can't work out the values of UH and UUF let me know and I'll re-issue a diagram with the new values.

Randy
KA1UNW
http://pages.cthome.net/okmunwurx

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>
> Interested in ideas and article sources on using solid state to shape and control the keying. Any suggestions?
>
> tnx, Stan AK0B
>

418. 6146B Scan Sent!

Yahoo group: glowbugradio
Date: 2009-09-09 00:03:55 UTC
From: N2EY@aol.com
Topic: 418 Message: 418

Folks,

The scan of the 1967 Handbook article with the 2x6146B amp has been sent!
It's 4 Mb in PDF, and if I missed anybody, please let me know.

I haven't built this amp and I have some reservations about the design. I'm sending it out only for information. YMMV. LSMFT.

73 de Jim, N2EY

419. Re: [glowbugradio] 6146B Scan Sent!

Yahoo group: glowbugradio
Date: 2009-09-09 00:11:54 UTC
From: Charlie , W5COV
Topic: 418 Message: 419

Jim , Could you please send me a copy too ?

Thank you ,

Charlie , W5COV
cvest@...

420. Re: 6146B Scan

Yahoo group: glowbugradio
Date: 2009-09-09 01:03:00 UTC
From: N2EY@aol.com
Topic: 420 Message: 420

In a message dated 9/8/2009 8:06:09 P.M. Eastern Daylight Time,
Jim.Falls@... writes:

Now, to work up the gumption to build it..........

I wouldn't build it as shown; but it could be a decent guide.

Here's what I'd do if I wanted such an amp:

First, I'd change the power supply. Use a lower-voltage transformer - say 540 volts, which would give about 750 volts B+. I'd use modern diodes (two 1N5408s in each leg of the bridge) and bigger filter caps. I'd eliminate the two small screen/bias power transformers and power the screens from the center tap of the bridge circuit, with its own filter and an appropriate dropping resistor for the VRs.

For bias, I'd use a small filament transformer hooked up backwards to the 5 volt winding on the main power transformer, feeding a diode bridge, capacitor filter and dropping resistor.

Second, I'd eliminate the screen modulator and put in an accessory socket/jupmer plug provision for external screen or plate modulation.

Third, I'd eliminate the fuse in the cathodes of the 6146s and ground all 6 cathode leads directly. I'd add a fuse in the AC supply line. (Who fuses the B+ anyway?)

Fourth, I'd simplify the sheet metal work. Make up a front and back panel with 1/2 inch lips on the top and part of the side edges to hold a U-shaped perfmetal cover. Save all that angle stock for VFOs.

Fifth, since I have a lot of meters, I'd use separate meters and eliminate the switch. If I didn't have a lot of meters, I'd use a more-conventional meter than the one they used, and add in an output indicator (RF voltmeter with 1N34A).

Sixth, I'd add taps to the coils for the WARC bands

Seventh, I'd avoid the practice of soldering the shielded-wire braids together unless I had really good cloth-covered shielded wire.

Eighth, I'd put in a small (3 db?) attenuator (T-pad) at the input so that tuning the grid wouldn't make the input Z go through wild changes. This would raise the drive requirement, but the thing needs so little drive that's not a big deal.

Ninth, if the power transformer I used had two 6.3 volt windings, I'd put them in series and have a terminal board arrangement where I could use 6146s

or 6883s. If it had two 6.3 volt and one 5 volt filament windings, I'd put all of them in series-aiding and feed a voltage-quadrupler diode/capacitor string for the bias supply, so everything would run off the one power transformer.

But that's just me.

73 de Jim, N2EY

421. Fischer Transmitting Tube

Yahoo group: glowbugradio
Date: 2009-09-10 18:17:30 UTC
From: David Hollander
Topic: 421 Message: 421

I have a tube that I thought was an old Taylor tube.

Marked on the glass is Fischer Chicago, Illinois and the tube number is 3581. Looks like an 805 but a bit larger.

Here is a picture.

http://members.cox.net/radiostuff9/358fisher.jpg

Anyone ever heard of the Fischer Tube company? A google search turned up nothing.

Tnx and 73,

Dave N7RK

--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

422. Ovens & Xtals FS

Yahoo group: glowbugradio
Date: 2009-09-12 19:14:50 UTC
From: N2EY@aol.com
Topic: 422 Message: 422

Folks,

Here are some units that are surplus to my needs. They are all UNTESTED and in good-but-as-is condition. Price is best-offer-plus-postage-from-19087. Pictures available. Paypal and personal checks accepted. Reasonable, unreasonable and downright ridiculous offers accepted as long as they include postage.

Crystal Ovens

Ovenaire MI560302-A3 This is a 75 degree C oven that fits an octal socket.and holds 2 HC-6/U xtals. 115 volt heater, has indicator contact. 28.088 Mc xtal inside. Same as other Ovenaire unit except for model number and xtals inside.

Ovenaire MI560302-A3 This is a 75 degree C oven that fits an octal socket.and holds 2 HC-6/U xtals. 115 volt heater, has indicator contact. 23.006 Mc and 36.66667 Mc xtals inside. Same as other Ovenaire unit except for model number and xtals inside.

Bliley TC0-2H Crystal Temperature Stabilizers (2) These are ? degree ovens that fit an octal socket.and hold 2 HC-6/U xtals. ? volt heater. No xtals inside, no info about heater voltage or temperature. Have two units.

ERC/Electronic Research Co. ERO-100 FA3 Oven. .This is a 75 degree C oven that fits an octal socket.and holds 2 HC-6/U xtals. 6.3 volt heater.No xtals inside.

Crystal Socket/Switch Assemblies

Xtal Switch #1 - This is a homemade unit consisting of a piece of sheet aluminum about 3 inches square, a miniature 2 pole 4 position ceramic rotary switch with knob, and a multi-crystal bakelite socket that takes 5 FT-243-type xtals. (Only 4 positions wired). Looks like it was meant to be installed inside a rig and hardwired in.

Xtal Switch #2 - This is a homemade unit built in a gray hammertone LMB box 5-1/4 x 3 x 2 inches (aluminum). It uses a 1 pole 11 position rotary switch with knob and numberplate and a heavy-duty multi-crystal bakelite socket (made by EF Johnson) that takes 10 FT-243-type xtals. (Only 10 of the 11 switchpositions wired). There's a 2 pin plug on the back of the box that fits an FT-243 xtal socket. Looks like it was meant to be plugged into the xtal socket of a rig. Very nicely made, could pass for a manufactured unit.

Crystals

RCA VC-5-KS V cut crystal units. These are large brown bakelite holders with unusual 3 pin base. Both are 100 kc., both have old masking tape on side

that says "NG ?". One is S/N3086, other is S/N 10440-A No other info.

All of the following are HC-6/U type case. All frequencies in Mc unless noted. All conditions unknown

189.0 kc

24
27.135
33.542
35.66667
36.59259
42.38888
42.72222
58.45
60.75
61.25

All of the above are UNTESTED and priced accordingly. (If I could test them the price would go up!)

73 de Jim, N2EY
.

423. RE: [glowbugradio] Ovens & Xtals FS

Yahoo group: glowbugradio
Date: 2009-09-13 13:15:33 UTC
From: Tom Bridgers
Topic: 422 Message: 423

Hi Jim,

Would like to buy these 2 items:

Xtal Switch #1 - This is a homemade unit consisting of a piece of sheet aluminum about 3 inches square, a miniature 2 pole 4 position ceramic rotary switch with knob, and a multi-crystal bakelite socket that takes 5 FT-243-type xtals. (Only 4 positions wired). Looks like it was meant to be installed inside a rig and hardwired in.

Xtal Switch #2 - This is a homemade unit built in a gray hammertone LMB box 5-1/4 x 3 x 2 inches (aluminum). It uses a 1 pole 11 position rotary switch with knob and numberplate and a heavy-duty multi-crystal bakelite socket (made by EF Johnson) that takes 10 FT-243-type xtals. (Only 10 of the 11 switchpositions wired). There's a 2 pin plug on the back of the box that fits an FT-243 xtal socket. Looks like it was meant to be plugged into the xtal socket of a rig. Very nicely made, could pass for a manufactured unit.

My offer for both is $10, to include shipping.
Thanks,
-tom

To: glowbugradio@yahoogroups.com
From: N2EY@...
Date: Sat, 12 Sep 2009 15:14:50 -0400
Subject: [glowbugradio] Ovens & Xtals FS

Folks,

Here are some units that are surplus to my needs. They are all UNTESTED and in good-but-as-is condition. Price is best-offer-plus-postage-from-19087. Pictures available. Paypal and personal checks accepted. Reasonable, unreasonable and downright ridiculous offers accepted as long as they include postage.

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Ovenaire MI560302-A3 This is a 75 degree C oven that fits an octal socket.and holds 2 HC-6/U xtals. 115 volt heater, has indicator contact. 23.006 Mc and 36.66667 Mc xtals inside. Same as other Ovenaire unit except for model number and xtals inside.

Bliley TC0-2H Crystal Temperature Stabilizers (2) These are ? degree ovens that fit an octal socket.and hold 2 HC-6/U xtals. ? volt heater. No xtals inside, no info about heater voltage or temperature. Have two units.

ERC/Electronic Research Co. ERO-100 FA3 Oven. .This is a 75 degree C oven that fits an octal socket.and holds 2 HC-6/U xtals. 6.3 volt heater.No xtals inside.

Crystal Socket/Switch Assemblies

Xtal Switch #1 - This is a homemade unit consisting of a piece of sheet aluminum about 3 inches square, a miniature 2 pole 4 position ceramic rotary switch with knob, and a multi-crystal bakelite socket that takes 5 FT-243-type xtals. (Only 4 positions wired). Looks like it was meant to be installed inside a rig and hardwired in.

Xtal Switch #2 - This is a homemade unit built in a gray hammertone LMB box 5-1/4 x 3 x 2 inches (aluminum). It uses a 1 pole 11 position rotary switch with knob and numberplate and a heavy-duty multi-crystal bakelite socket (made by EF Johnson) that takes 10 FT-243-type xtals. (Only 10 of the 11 switchpositions wired). There's a 2 pin plug on the back of the box that fits an FT-243 xtal socket. Looks like it was meant to be plugged into the xtal socket of a rig. Very nicely made, could pass for a manufactured unit.

Crystals

RCA VC-5-KS V cut crystal units. These are large brown bakelite holders with unusual 3 pin base. Both are 100 kc., both have old masking tape on side that says "NG ?". One is S/N3086, other is S/N 10440-A No other info.

All of the following are HC-6/U type case. All frequencies in Mc unless noted. All conditions unknown

189.0 kc

24
27.135
33.542
35.66667
36.59259
42.38888
42.72222
58.45
60.75
61.25

All of the above are UNTESTED and priced accordingly. (If I could test them the price would go up!)

73 de Jim, N2EY
.

424. Re: [glowbugradio] Ovens & Xtals FS

Yahoo group: glowbugradio
Date: 2009-09-17 11:23:11 UTC
From: N2EY@aol.com
Topic: 422 Message: 424

Tom,

The Small flat rate box is too small!

What I'll do is pack the switch units up in a regular box and send the least-expensive way. As long as it's less than $10 we'll be OK.

If that's OK, I'll get them on the way to you.

73 de Jim, N2EY

425. Apologies!

Yahoo group: glowbugradio
Date: 2009-09-17 12:51:19 UTC
From: N2EY@aol.com
Topic: 422 Message: 425

Sorry, meant to send that? email about the xtals to an individual, not the group!

73 de Jim, N2EY

426. FS: NATIONAL NC173

Yahoo group: glowbugradio
Date: 2009-09-20 20:38:02 UTC
From: K0DAN
Topic: 426 Message: 426

FS: NATIONAL NC173 General Coverage + 6M receiver, without speaker, good condition, $75 O.B.O.

I'm helping a friend-of-a-friend find a good home for this cool receiver. I have no stakes in it myself, other than to help the owner link up with a boat anchor collector who will give this fine receiver some T.L.C., operate it, enjoy it, and keep it in his collection. The seller received it from the original purchaser, an engineer, now SK. He does not want to see this unit resold on the auction sites for a profit. If you can respect these wishes, please read on.

This is overall a relatively clean National NC173. The case of the receiver has no metal dents, but has some rust (?) or mold/fungus (?) which seems to clean up pretty well with 409 cleaner. Inside, it looks dusty but relatively clean. It has been tested and receives WWV on 5 Mhz. The receiver has had the line cord replaced with a 3 wire grounded cord. Has all original knobs. We are unaware of other mods, repairs, etc. Other than the above, we don't know anything else about it, but it appears to be in relatively nice shape.

The receiver is not in my possession, so I am the middle-man for the descriptions & photos. If you are interested, please email me off-list and I will send you photos and what other info I have. The seller STRONGLY desires that this unit be picked up (Kansas City area), however professional packing + shipping + insurance are options. If you've done this before you can probably estimate the costs. The weight, unpacked, is about 50 pounds. If you wish to purchase the unit I will put you in touch with the seller, and you can work out your own arrangements. Payment by USPS money order (sorry, no PayPal or other electronic means).

Everything described here is as accurate info as we can provide, ditto the photos, however unit is offered as-is.

Please let us know if you have any interest!

Thanks and 73,

Dan
K0DAN
k0dan@...

NC173 SPECS
Made in USA, 1947-1950
13 tube, single conversion, superhet
Coverage 540 kHz to 31 MHz + 48-56 MHz
6 position selectivity
AM/CW

427. FS: HALLICRAFTERS SX25 "SUPER DEFIANT"

Yahoo group: glowbugradio
Date: 2009-09-20 20:37:17 UTC
From: K0DAN
Topic: 427 Message: 427

FS: HALLICRAFTERS SX25 "SUPER DEFIANT" communications receiver, 0.54-42 MHz, with speaker, good condition, $100.00 O.B.O.

I'm helping a friend-of-a-friend find a good home for this cool receiver. I have no stakes in it myself, other than to help the owner link up with a boat anchor collector who will give this fine receiver some T.L.C., operate it, enjoy it, and keep it in his collection. The seller received it from the original purchaser, an engineer, now sk. He does not want to see this unit resold on the auction sites for a profit. If you can respect these wishes, please read on.

This is an art deco style Hallicrafters SX-25 with matching speaker (might be the PM-23?). The case of the receiver and speaker have no metal dents, etc. They have virtually no damage to the paint but show the normal dirt, etc., of a fifty year old radio. There are some rather minor cabinet flaws which are evident in the photos. Inside and outside the radio would benefit from a going over with 409 cleaner. The main tuning dial cord is broken but present. Has all original knobs. The output transformer has been replaced with a Stancor A3880, which we believe is the correct replacement impedance and power value. The receiver has hum, but receives strong stations in the BC band and also 80 meter ham band. The speaker has a 5000 ohm to 8 Ohm transformer and its voice coil is good. The plastic in the dials has discolored over time but would be replaceable. The receiver has had the line cord replaced with a 3 wire grounded cord. Other than the above, we don't know anything else about it, but it appears to be in nice shape.

The receiver is not in my possession, so I am the middle-man for the descriptions & photos. If you are interested, please email me off-list and I will send you photos and what other info I have. The seller STRONGLY desires that this unit be picked up (Kansas City area), however professional packing + shipping + insurance are options. If you've done this before you can probably estimate the costs. The weight, unpacked, is about 46 pounds for the receiver, and about 20 pounds for the speaker. If you wish to purchase the unit I will put you in touch with the seller, and you can work out your own arrangements. Payment by USPS money order (sorry, no PayPal or other electronic means).

Everything described here is as accurate info as we can provide, ditto the photos, however unit is offered as-is.

Please let us know if you have any interest!

Thanks and 73,

Dan
K0DAN
k0dan@...

SX-25 SPECS
Made in USA, 1940-1946
12 tube, single conversion, superhet
Coverage 540 kHz to 42 MHz

6 position selectivity
AM/CW

428. FS: HIGH-POWER (1500VDC) POWER SUPPLY

Yahoo group: glowbugradio
Date: 2009-09-20 20:46:13 UTC
From: K0DAN
Topic: 428 Message: 428

Here's a HV power supply which may be useful for those of you working to get an old teransmitter or amplifier on the air.

FS: MOTOROLA HIGH-POWER (1500VDC) MICOR POWER SUPPLY, clean, working, good condition, $50 O.B.O.

I'm helping a friend-of-a-friend find a good home for this monster power supply. I have no stakes in it myself, other than to help the owner link up with someone who needs a quality, functioning, high-voltage power supply. Just the transformer, choke, and capacitors are worth the purchase price!

This is clean Motorola TLN5699A power supply, part of the 375W (OUTPUT!) VHF base station/repeater. The output voltage is +1500 VDC at 400 mA (500 ma could be drawn ICS), +300 v, -50 v and the weight is about 90 pounds. A 7-page copy of the schematics and manual data will be provided with the power supply. This unit was recently removed from service, in operating condition. There are no modifications to this unit and it will be bench checked before shipping.

The power supply is not in my possession, so I am the middle-man for the the descriptions & photos. If you are interested, please email me off-list and I will send you photos and what other info I have. The seller STRONGLY desires that this unit be picked up (Kansas City area), however professional packing + shipping + insurance are options. The power supply is HEAVY!!! We estimate $40 to build a crate, plus add freight charges and insurance. If you wish to purchase the unit I will put you in touch with the ths seller, and you can work out your own arrangements. Payment by USPS money order (sorry, no PayPal or other electronic means).

Everything described here is as accurate info as we can provide, ditto the photos, however unit is offered as-is.

Please let us know if you have any interest!

Thanks and 73,

Dan
K0DAN
k0dan@...

429. Re: NATIONAL NC173

Yahoo group: glowbugradio
Date: 2009-09-27 21:14:38 UTC
From: K0DAN
Topic: 429 Message: 429

Thanks for all the inquiries the NC173 has been sold, picked up locally, and now has a new home.

73
Dan
K0DAN

430. Re: HALLICRAFTERS SX25 "SUPER DEFIANT"

Yahoo group: glowbugradio
Date: 2009-09-27 21:12:36 UTC
From: K0DAN
Topic: 430 Message: 430

Thanks for all the inquiries the SX25 & speaker have been sold, picked up locally, and now have a new home.

73
Dan
K0DAN

431. 8PV4 Bermuda Bomber CW Transmitter

Yahoo group: glowbugradio
Date: 2009-10-25 20:08:42 UTC
From: Randy
Topic: 431 Message: 431

I finally completed construction of the 75 watt rig and it has finally gotten past its 500 hour test. Details are in the photo section.

Randy
KA1UNW
"Time's fun when you are having flies"
http://pages.cthome.net/okmunwurx
http://groups.yahoo.com/group/niteshift/

433. Telegraph Keyer Amplifier

Yahoo group: glowbugradio
Date: 2009-11-03 01:05:12 UTC
From: Randy
Topic: 433 Message: 433

In the photo section under KA1UNW.

I got tired of my key contacts getting all grungy from keying over 50V and over 100ma. Above that level I find I have to clean them every 2 or 3 transmissions.
Of course, my contacts are steel; not electrosuvium, so I'm asking for it. The tiniest of arcs seem to create carbon soot or some spongy feeling conduction which messes up keying.
I see that in older books this has been a problems since line telegraph.

In short I am using a 3 stage DC amplifier to allow keying 250ma (tested) with only 55ua of key current.

The unusual 2nd and 3rd stage Darlington circuit allow using a low voltage (red) transistor to key the high voltage one (Q3).

The strange key input protects Q1 (black).

434. Series Resonant Tuner

Yahoo group: glowbugradio
Date: 2009-11-06 04:15:41 UTC
From: Randy
Topic: 434 Message: 434

Photos in the photo section under KA1UNW.

There are times when a non-resonant, less-than-1/4-wave (or 3/4 wave) wire gets used for an antenna right at the rig.
There are times when a coax fed antenna has a moderate SWR but is almost resonant.

I've found that a simple series resonating circuit will obtain resonance and bring SWR down to a satisfactory level.

This is especially so in my home made fixed-link coupled output transmitters. Although designed for full (or CCS) output at 40 ohm load, they will function at less output on other loads and SWR could be ignored if RF in the shack is tolerated.

In effect I'm duplicating what goes on inside an ARC-5 transmitter with a capacitor wired in series to the "inductance" to allow low Z coupling to work and allow odd antennas to work.

Here, a rotary 0-14UH coil and fixed 470UUF 15KV transmit cap (not a TV door knob) is used to allow resonance on 80-60-40M using a random wire antenna or almost resonant coax fed dipole.

The idea is also to provide some selectivity so as to act as an LPF.

If Z is not 50 ohms or SWR not correctable, LPFs don't work and will eat up your Po.

This series circuit gets around all that.

435. Data on TEKELEC TE343 DPM/DVM

Yahoo group: glowbugradio
Date: 2009-11-16 09:00:27 UTC
From: eric
Topic: 435 Message: 435

Hello, is there anybody in this group who can help me on data and connections of this TEKELEC nixie DPM?Thanks,

eric

436. WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-18 16:07:45 UTC
From: geoff8122
Topic: 436 Message: 436

I need one or two for a 4511 Jackson reduction drive or the OEP/MFJ clone. These were (are?) used on several linear amps and antenna tuners.

Marked 0-100 over 180* and 2 3/4" or so in diameter. They have a center hole for a 1/4" shaft and two small holes for mounting to the reduction flange.

A former MLB player (and a long time friend) with a couple of World Series rings is waiting for his amp!

Carl
KM1H

437. Dummy Load For HF

Yahoo group: glowbugradio
Date: 2009-11-19 04:59:47 UTC
From: Randy
Topic: 437 Message: 437

Photos in the KA1UNW section

Using modern Caddock Non Inductive resistors a 100 watt (real, continuous, not PEP or lab conditions watts) was built in one evening.
Using two 100ohm 100watt resistors in parallel, along with a heatsink from an over though CPU and the aluminum box as part of the sink, it runs cool-faint-warm using the output of 8PV4 Bermuda Bomber for 5 minutes.
This load has a switch to allow selecting load or antenna.
(With this, I confirmed that my SWR meter reads right)

438. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-19 05:56:12 UTC
From: John Ruccolo
Topic: 436 Message: 438

Let me guess....Joe Rudi?

--- On Wed, 11/18/09, geoff8122 <km1h@....com> wrote:

From: geoff8122 <km1h@...>
Subject: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@yahoogroups.com
Date: Wednesday, November 18, 2009, 11:07 AM

I need one or two for a 4511 Jackson reduction drive or the OEP/MFJ clone. These were (are?) used on several linear amps and antenna tuners.

Marked 0-100 over 180* and 2 3/4" or so in diameter. They have a center hole for a 1/4" shaft and two small holes for mounting to the reduction flange.

A former MLB player (and a long time friend) with a couple of World Series rings is waiting for his amp!

Carl
KM1H

439. Hi Z and other Microphones FS

Yahoo group: glowbugradio
Date: 2009-11-19 12:49:20 UTC
From: Ken Simpson, W8EK
Topic: 439 Message: 439

For Sale:

High Impedance Microphones:

Heath hand microphone
This is the black colored hand mic that was used on
the HW and SB series transceivers from 25 or 30 years ago.
It is a Hi Z mic. This particular mic is in good condition.
It works great, and looks OK cosmetically. It even includes
the mounting clip (which looks like it was never used).
This mic presently has stripped and tinned ends, but of
course a connector can easily be added.
I have paper work for a Heath GH-12 A hand microphone with
it, but am not certain that is what it is. My memory says
the GH-12 A was dark green in color, and this one is a
black color. $30

Clegg hand microphone
This is a high impedance hand microphone that says
Clegg on the front. It says Astatic 527 on the back,
and is the sort of squarish hand mic that Clegg used
on much of their equipment. It has the 2 pin Amphenol
connector, like used by Clegg, Heath, Hallicrafters,
and many others in that era.
This particular mic has a very nice pattern on the scope.
$30

Other Microphones:

Kenwood MC-30 S hand microphone
This is a 500 ohm (low Z) hand microphone with a 4 pin
connector on it. It fits most any of the Kenwood rigs
using a four pin plug, such as the TS-120, TS-130, TS-520,
TS-530, TS-820, TS-830, and others. It is in good shape,
with paper work, for $35.

Lafayette EAM-15 dynamic hand microphone
2000 ohm impedance can be used any place a dynamic mic is
needed. Striped and tinned leads.
It works fine, and looks good also. $25

Generic Hand Microphone
This is a low impedance hand microphone, black in color.
Striped and tinned leads. $22

Regular hand microphone
Electret Condenser microphone

Generic Black mic, with gray PTT bar. Requires polarizing voltage. $25

DTMF Touch Tone Microphones:

CES 655 L "Microdialer" DTMF Microphone
You can manual dial a number, or automatically have it stored in the mic, and "speed dial" with this mic. 12 digit touch tone pad on the front, with the microphone part above the pad. This one presently has a 4 pin plug on it, but of course that can be changed. $35

CES 600 L, Universal DTMF microphone
This has a normal touch tone pad on the front, with a low impedance microphone. This one has the 8 pin modular plug (like a computer LAN) on it. This mic has not been used, so it is in really great condition. With paper work for $40.

Data Signal "Data-Coder 5" touch tone mic
This mic has a 12 digit touchtone pad on it, plus a normal low impedance microphone. With 4 pin plug. Like new. $38

Speaker Microphones:

Yaesu MH-34 b 4 b speaker microphone
This is the one that fits the Yaesu VX-8, VX-7, VX-6, VX-5, VX-3, VX-2, VX-1, and that series of HTs. I think it also fits the FT-50 and FT-60, and maybe others. It has a single 4 conductor, 3.5 mm plug on it. This one is just like new. $30

Kenwood SMC-24 speaker microphone
Fits Kenwood TR-2400 HT and maybe others. This one looks fine and works fine. $18

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

440. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-19 16:05:27 UTC
From: Carl
Topic: 436 Message: 440

The one and only. I'll never forget the time we met in Boston for some evening fun and he dragged another guy along....Joe Walsh. Talk about a near riot.

Carl

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, November 19, 2009 12:56 AM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Let me guess....Joe Rudi?

--- On Wed, 11/18/09, geoff8122 <km1h@...> wrote:

From: geoff8122 <km1h@...>
Subject: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@yahoogroups.com
Date: Wednesday, November 18, 2009, 11:07 AM

I need one or two for a 4511 Jackson reduction drive or the OEP/MFJ clone. These were (are?) used on several linear amps and antenna tuners.

Marked 0-100 over 180* and 2 3/4" or so in diameter. They have a center hole for a 1/4" shaft and two small holes for mounting to the reduction flange.

A former MLB player (and a long time friend) with a couple of World Series rings is waiting for his amp!

Carl
KM1H

441. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-20 04:04:40 UTC
From: John Ruccolo
Topic: 436 Message: 441

Ohhh, brother! How long ago was this?

John

--- On Thu, 11/19/09, Carl <km1h@...> wrote:

From: Carl <km1h@...>
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@yahoogroups.com
Date: Thursday, November 19, 2009, 11:05 AM

☐
The one and only. I'll never forget the time we met in Boston for some evening fun and he dragged another guy along....Joe Walsh. Talk about a near riot.

Carl

----- Original Message -----
From: John Ruccolo
To: glowbugradio@ yahoogroups. com
Sent: Thursday, November 19, 2009 12:56 AM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Let me guess....Joe Rudi?

--- On Wed, 11/18/09, geoff8122 <km1h@jeremy. mv.com> wrote:

From: geoff8122 <km1h@jeremy. mv.com>
Subject: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@ yahoogroups. com
Date: Wednesday, November 18, 2009, 11:07 AM

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Marked 0-100 over 180* and 2 3/4" or so in diameter. They have a center hole for a 1/4" shaft and two small holes for mounting to the reduction flange.

A former MLB player (and a long time friend) with a couple of World Series rings is waiting for his amp!

Carl
KM1H

442. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-20 13:50:23 UTC
From: Carl
Topic: 436 Message: 442

Early to mid 80's I believe. I keep in touch with JR and run across JW on AM once in awhile.

Carl

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, November 19, 2009 11:04 PM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Ohhh, brother! How long ago was this?

John

--- On Thu, 11/19/09, Carl <km1h@...> wrote:

From: Carl <km1h@...>
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@yahoogroups.com
Date: Thursday, November 19, 2009, 11:05 AM

☐
The one and only. I'll never forget the time we met in Boston for some evening fun and he dragged another guy along....Joe Walsh. Talk about a near riot.

Carl

----- Original Message -----
From: John Ruccolo
To: glowbugradio@ yahoogroups. com
Sent: Thursday, November 19, 2009 12:56 AM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Let me guess....Joe Rudi?

--- On Wed, 11/18/09, geoff8122 <km1h@jeremy. mv.com> wrote:

From: geoff8122 <km1h@jeremy. mv.com>
Subject: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@ yahoogroups. com
Date: Wednesday, November 18, 2009, 11:07 AM

I need one or two for a 4511 Jackson reduction drive or the OEP/MFJ clone. These were (are?) used on several linear amps and antenna tuners.

Marked 0-100 over 180* and 2 3/4" or so in diameter. They have a center hole for a 1/4" shaft and two small holes for mounting to the reduction flange.

A former MLB player (and a long time friend) with a couple of World Series rings is waiting for his amp!

Carl
KM1H

443. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-20 23:45:21 UTC
From: John Ruccolo
Topic: 436 Message: 443

Cool!

Two professions you don't normally associate with Ham Radio -- rock guitarist and big-league ballplayer. Joe Rudi used to be in ads in QST back in the 90's....forget what product.

--- On Fri, 11/20/09, Carl <km1h@...> wrote:

From: Carl <km1h@...>
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@yahoogroups.com
Date: Friday, November 20, 2009, 8:50 AM

☐
Early to mid 80's I believe. I keep in touch with JR and run across JW on AM once in awhile.

Carl

----- Original Message -----
From: John Ruccolo
To: glowbugradio@ yahoogroups. com
Sent: Thursday, November 19, 2009 11:04 PM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Ohhh, brother! How long ago was this?

John

--- On Thu, 11/19/09, Carl <km1h@jeremy. mv.com> wrote:

From: Carl <km1h@jeremy. mv.com>
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@ yahoogroups. com
Date: Thursday, November 19, 2009, 11:05 AM

☐
The one and only. I'll never forget the time we met in Boston for some evening fun and he dragged another guy along....Joe Walsh. Talk about a near riot.

Carl

----- Original Message -----
From: John Ruccolo
To: glowbugradio@ yahoogroups. com
Sent: Thursday, November 19, 2009 12:56 AM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Let me guess....Joe Rudi?

--- On Wed, 11/18/09, geoff8122 <km1h@jeremy. mv.com> wrote:

From: geoff8122 <km1h@jeremy. mv.com>
Subject: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@ yahoogroups. com
Date: Wednesday, November 18, 2009, 11:07 AM

I need one or two for a 4511 Jackson reduction drive or the OEP/MFJ clone. These were (are?) used on several linear amps and antenna tuners.

Marked 0-100 over 180* and 2 3/4" or so in diameter. They have a center hole for a 1/4" shaft and two small holes for mounting to the reduction flange.

A former MLB player (and a long time friend) with a couple of World Series rings is waiting for his amp!

Carl
KM1H

444. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 00:28:53 UTC
From: Jim
Topic: 436 Message: 444

Don't forget Senator -- Barry Goldwater was an active ham when he served the Senate for something like 20 years and ran for President in 1964.
Jim N6OTQradio active AND politically active

--- On Fri, 11/20/09, John Ruccolo <jr6v6gt@...> wrote:

Two professions you don't normally associate with Ham Radio -- rock guitarist and big-league ballplayer. Joe Rudi used to be in ads in QST back in the 90's....forget what product.

Your email settings: Individual Email|Traditional

Change settings via the Web (Yahoo! ID required)

Change settings via email: Switch delivery to Daily Digest | Switch to Fully Featured

Visit Your Group
|

Yahoo! Groups Terms of Use
|

Unsubscribe

445. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 00:59:40 UTC
From: David Hollander
Topic: 436 Message: 445

Barry Goldwater was a member of our club, the Central Arizona DX Association.

We now have his call, K7UGA for the club call and we do a Barry Goldwater special event once year and send out K7UGA cards.

http://www.cadxa.org/

He lived about three miles down the road from me here in Phoenix but I never heard him on the air. Only worked him once in 1967 when he was K3UIG.

Dave N7RK
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

446. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 17:25:24 UTC
From: John Ruccolo
Topic: 436 Message: 446

And of course, King Hussein of Jordan was a ham.

And also one of the Popes (forget which) was given a brand new Hallicrafters station by Bill Halligan, Hallicrafters founder. His Holiness probably wanted Collins gear. ;-)

--- On Fri, 11/20/09, David Hollander <n7rk@...> wrote:

From: David Hollander <n7rk@...>
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@yahoogroups.com
Date: Friday, November 20, 2009, 7:59 PM

Barry Goldwater was a member of our club, the Central Arizona DX Association.

We now have his call, K7UGA for the club call and we do a Barry Goldwater special event once year and send out K7UGA cards.

http://www.cadxa. org/

He lived about three miles down the road from me here in Phoenix but I never heard him on the air. Only worked him once in 1967 when he was K3UIG.

Dave N7RK
--
********** ********* ********* ********* ********* ********* **
Dave N7RK Boatanchors Home Page: http://members. cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

447. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 17:49:08 UTC
From: David Hollander
Topic: 436 Message: 447

Worked JY1 in 1968 when he first got on the air. Have his QSL card also.

Their was station with Hallicrafters gear at the Vatican in the 60's but
I don't think it was the pope that was the ham.

Somebody chime in and say so if I am wrong.

Dave
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

448. RE: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 17:50:34 UTC
From: D C *Mac* Macdonald
Topic: 436 Message: 448

And entertainer Artur Godfrey (K4LIB) from the early days of TV.

73 - Mac, K2GKK/5
(Since 30 Nov 53)
Oklahoma City, OK

To: glowbugradio@yahoogroups.com
From: jr6v6gt@...
Date: Sat, 21 Nov 2009 09:25:24 -0800
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

And of course, King Hussein of Jordan was a ham.

And also one of the Popes (forget which) was given a brand new Hallicrafters station by Bill Halligan, Hallicrafters founder. His Holiness probably wanted Collins gear. ;-)

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Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
To: glowbugradio@yahoogroups.com
Date: Friday, November 20, 2009, 7:59 PM

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Dave N7RK
--
********** ********* ********* ********* ********* ********* **
Dave N7RK Boatanchors Home Page: http://members. cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

449. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 18:04:47 UTC
From: rbethman
Topic: 436 Message: 449

While we are at it, add Ronnie Milsap, WB4KCG
<http://www.qrz.com/db/WB4KCG>.

Bob - N0DGN

D C *Mac* Macdonald wrote:
>
>
>
> And entertainer Artur Godfrey (K4LIB) from the early days of TV.
>
> 73 - Mac, K2GKK/5
> (Since 30 Nov 53)
> Oklahoma City, OK
>
> To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
> From: jr6v6gt@... <mailto:jr6v6gt%40yahoo.com>
> Date: Sat, 21 Nov 2009 09:25:24 -0800
> Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction
> drive dial scale
>
> And of course, King Hussein of Jordan was a ham.
>
> And also one of the Popes (forget which) was given a brand new
> Hallicrafters station by Bill Halligan, Hallicrafters founder. His
> Holiness probably wanted Collins gear. ;-)
>
> --- On Fri, 11/20/09, David Hollander <n7rk@...
> <mailto:n7rk%40cox.net>> wrote:
>
> From: David Hollander <n7rk@... <mailto:n7rk%40cox.net>>
> Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction
> drive dial scale
> To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
> Date: Friday, November 20, 2009, 7:59 PM
>
> Barry Goldwater was a member of our club, the Central Arizona DX
> Association.
>
> We now have his call, K7UGA for the club call and we do a Barry
> Goldwater special event once year and send out K7UGA cards.
>
> http://www.cadxa. org/
>

> He lived about three miles down the road from me here in Phoenix but I
> never heard him on the air. Only worked him once in 1967 when he was
> K3UIG.
>
> Dave N7RK
>
>

--
+---+
| AM Amateur Radio Operator N?DGN |
+---+
| http://home.comcast.net/~rbethman/ |
+---+
| Bob Bethman \\\|/// " The absence of a danger |
| \\ ~ ~ // signal does *NOT* mean |
| rbethman@... (/ @ @ /) that everything is OK " |
+----------------------o00o---?(_)?---o00o-------------------------+

450. RE: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 18:09:09 UTC
From: D C *Mac* Macdonald
Topic: 436 Message: 450

And fantastic guitarist Chet Atkins, W4CGP.

73 - Mac, K2GKK/5
(Since 30 Nov 53)
Oklahoma City, OK

_____
> To: glowbugradio@yahoogroups.com
> From: rbethman@...
> Date: Sat, 21 Nov 2009 13:04:47 -0500
> Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
>
> While we are at it, add Ronnie Milsap, WB4KCG.
>
> Bob - N0DGN
>
>
> D C *Mac* Macdonald wrote:
>
> And entertainer Artur Godfrey (K4LIB) from the early days of TV.
>
>
>
> To: glowbugradio@yahoogroups.com
>
> From: jr6v6gt@...
>
> Date: Sat, 21 Nov 2009 09:25:24 -0800
>
> Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction
> drive dial scale
>
> And of course, King Hussein of Jordan was a ham.
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> And also one of the Popes (forget which) was given a brand new
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>
> --- On Fri, 11/20/09, David Hollander> wrote:
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> From: David Hollander>
>
> Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction
> drive dial scale

>
> To: glowbugradio@yahoogroups.com
>
> Date: Friday, November 20, 2009, 7:59 PM
>
> Barry Goldwater was a member of our club, the Central Arizona DX
> Association.
>
> We now have his call, K7UGA for the club call and we do a Barry
> Goldwater special event once year and send out K7UGA cards.
>
> http://www.cadxa.
> org/
>
> He lived about three miles down the road from me here in Phoenix but I
> never heard him on the air. Only worked him once in 1967 when he was
> K3UIG.
>
>
>
> Dave N7RK

451. Re: famous Hams

Yahoo group: glowbugradio
Date: 2009-11-21 18:52:09 UTC
From: Carl Yaffey
Topic: 436 Message: 451

Country singer Patty Loveless was KD4WUJ. Unfortunately, she must have let it expire. But I have her QSL.
73,
Carl K8NU

Carl Yaffey K8NU
Banjo, guitar, bass, mandolin, dobro lessons.
Pro Tools recording studio.
cyaffeyNO_SPAM@...
614 268 6353, Columbus OH
http://www.carl-yaffey.com
http://www.grassahol.com

452. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 19:16:07 UTC
From: N2EY@aol.com
Topic: 436 Message: 452

K20RS

453. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 19:30:02 UTC
From: N2EY@aol.com
Topic: 436 Message: 453

In a message dated 11/21/2009 12:26:03 P.M. Eastern Standard Time,
jr6v6gt@... writes:

And of course, King Hussein of Jordan was a ham.

JY1

Who (indirectly) got us medical waivers for the code tests

73 de Jim, N2EY

454. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 21:56:39 UTC
From: Carl
Topic: 436 Message: 454

So was General Curtis LeMay, former head of SAC and VP candidate. There has usually been a ham or three in Congress over the years.

Carl
KM1H

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Friday, November 20, 2009 7:28 PM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Don't forget Senator -- Barry Goldwater was an active ham when he served the Senate for something like 20 years and ran for President in 1964.

Jim N6OTQ
radio active AND politically active

--- On Fri, 11/20/09, John Ruccolo <jr6v6gt@...> wrote:

Two professions you don't normally associate with Ham Radio -- rock guitarist and big-league ballplayer. Joe Rudi used to be in ads in QST back in the 90's....forget what product.

Your email settings: Individual Email|Traditional
Change settings via the Web (Yahoo! ID required)
Change settings via email: Switch delivery to Daily Digest | Switch to Fully Featured
Visit Your Group | Yahoo! Groups Terms of Use | Unsubscribe

455. RE: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 22:10:50 UTC
From: D C *Mac* Macdonald
Topic: 436 Message: 455

Also, General "Butch" Griswold, also of SAC;
one of LeMay's good friends.

I believe there were about a dozen hams on
the B-52F crews at Carswell AFB, TX in the
mid 1960s. I was one of them. We even had
a full ham station using the Eldico gear and
a Mosley TA-33 in the alert facility out on
the flightline! Callsign was WA5DNH. That
was where I worked my first Russian station!

73 - Mac, K2GKK/5
Oklahoma City, OK

_____
> To: glowbugradio@yahoogroups.com
> From: km1h@...
> Date: Sat, 21 Nov 2009 16:56:39 -0500
> Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale
>
>
> So was General Curtis LeMay, former head of SAC and
> VP candidate. There has usually been a ham or three in Congress over the
> years.
>
> Carl
> KM1H
>
>
> ----- Original Message -----
>
> From:
> Jim
>
> To: glowbugradio@yahoogroups.com
>
> Sent: Friday, November 20, 2009 7:28
> PM
>
> Subject: Re: [glowbugradio] WTB: Jackson
> Brothers or similar reduction drive dial scale
>
> Don't forget Senator -- Barry Goldwater was an active ham
> when he served the Senate for something like 20 years and ran for

> President in 1964.
>
> Jim N6OTQ
>
> radio active AND politically active
>
> --- On Fri, 11/20/09,
> John Ruccolo>
> wrote:
>
> Two professions you don't normally associate with Ham Radio
> -- rock guitarist and big-league ballplayer. Joe Rudi used to be
> in ads in QST back in the 90's....forget what
> product.

456. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 22:14:41 UTC
From: Carl
Topic: 436 Message: 456

HV1CN was the Vatican station and I forget the name of the priest in charge. I visited there once when in the Navy, anything was better than staying in Naples!

Carl
KM1H

----- Original Message -----
From: David Hollander
To: glowbugradio@yahoogroups.com
Sent: Saturday, November 21, 2009 12:49 PM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Worked JY1 in 1968 when he first got on the air. Have his QSL card also.

Their was station with Hallicrafters gear at the Vatican in the 60's but
I don't think it was the pope that was the ham.

Somebody chime in and say so if I am wrong.

Dave
--
****
Dave N7RK Boatanchors Home Page: http://members.cox.net/n7rk
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

457. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 22:19:53 UTC
From: Carl
Topic: 436 Message: 457

The original K2ORS, not the current holder. Jean Shepherd was a regular at the ARRL New England Convention in the 60's and would keep the hospitality rooms jumping until dawn with his stories.

Carl
KM1H

----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Saturday, November 21, 2009 2:16 PM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

K2ORS

458. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 22:21:15 UTC
From: Carl
Topic: 436 Message: 458

King Juan Carlos of Spain, EA0AA

Carl

----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Saturday, November 21, 2009 2:30 PM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

In a message dated 11/21/2009 12:26:03 P.M. Eastern Standard Time, jr6v6gt@... writes:
And of course, King Hussein of Jordan was a ham.
JY1

Who (indirectly) got us medical waivers for the code tests

73 de Jim, N2EY

459. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 22:25:13 UTC
From: Jim
Topic: 436 Message: 459

Something about being a musician apparently makes it easier to "get" code. At least that's what I've seen among my ham friends who also "got" music.
Nowadays code's not a requirement, but all the musicians who've been named were pre- "no code" hams.
I don't want to open up a code/no-code discussion, but I'll point out that knowing code transcends most spoken languages on the planet. I've found knowing code to be more useful than knowing Spanish (I know enough to hold a brief QSO), and I wish I spoke enough Japanese for voice QSOs.
Just another tool in the QSO toolchest ...

Jim N6OTQ
--- On Sat, 11/21/09, rbethman <rbethman@...> wrote:

While we are at it, add Ronnie Milsap, WB4KCG.

Bob - N0DGN

460. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 22:32:04 UTC
From: Carl
Topic: 436 Message: 460

Some of the top CW contest operators were musically trained.

My own backround was as a rock sax player and blues harmonica.

And I still prefer CW, usually around 30-35 wpm with no computer involvement.

Carl
KM1H

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Saturday, November 21, 2009 5:25 PM
Subject: Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Something about being a musician apparently makes it easier to "get" code. At least that's what I've seen among my ham friends who also "got" music.

Nowadays code's not a requirement, but all the musicians who've been named were pre- "no code" hams.

I don't want to open up a code/no-code discussion, but I'll point out that knowing code transcends most spoken languages on the planet. I've found knowing code to be more useful than knowing Spanish (I know enough to hold a brief QSO), and I wish I spoke enough Japanese for voice QSOs.

Just another tool in the QSO toolchest ...

Jim N6OTQ
--- On Sat, 11/21/09, rbethman <rbethman@...> wrote:

While we are at it, add Ronnie Milsap, WB4KCG.

Bob - N0DGN

461. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-21 22:39:43 UTC
From: Kenneth G. Gordon
Topic: 436 Message: 461

On 21 Nov 2009 at 14:25, Jim wrote:

> Something about being a musician apparently makes it easier to "get"
> code.

Absolutely. I attended a bagpipe summer-school for four
years in a row, starting in 1975.

Fully 1/3 of the participants were hams.

My sons, all hams, and all muscians, found the same thing
to be true when they attended summer schools in violin,
piano, etc. within the last 10 years or so.

If we consider the number of hams in the U.S. at about
150,000 today, with a population of 300 million, then the
population of hams in those music schools was 660 times
that in the general population: 0.05% vs 33%.

I think part of this can be laid to the personallity of those
folks. Both CW/ham radio, and bagpipe playing requires
considerable dedication, and not a little stubborness.

Ken Gordon W7EKB

462. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-22 00:56:47 UTC
From: Carl Yaffey
Topic: 436 Message: 462

Well, I'm not a top CW contest op, but I love CW, and I play
banjo/guitar/mandolin/bass/dobro!
73,
Carl K8NU

On Nov 21, 2009, at 5:32 PM, Carl wrote:

>
> Some of the top CW contest operators were musically trained.
> My own backround was as a rock sax player and blues harmonica.
> And I still prefer CW, usually around 30-35 wpm with no computer involvement.
>
> Carl
> KM1H
>

Carl Yaffey K8NU
Banjo, guitar, bass, mandolin, dobro lessons.
Pro Tools recording studio.
cyaffeyNO_SPAM@...
614 268 6353, Columbus OH
http://www.carl-yaffey.com
http://www.grassahol.com

463. Re: [glowbugradio] WTB: Jackson Brothers or similar reduction drive dial scale

Yahoo group: glowbugradio
Date: 2009-11-22 01:45:18 UTC
From: N2EY@aol.com
Topic: 436 Message: 463

In a message dated 11/21/2009 5:20:59 P.M. Eastern Standard Time,
km1h@... writes:

The original K2ORS, not the current holder. Jean Shepherd was a regular at the ARRL New England Convention in the 60's and would keep the hospitality rooms jumping until dawn with his stories.

Yes, I should have clarified that.

Shep was one of a kind in a time of conformity. His stuff is still fresh and original 50 years later. And while it was funny, there was always a serious and often subversive point to it.

My favorite is the "I Libertine" prank.

Somewhere online is an audio file of him talking about how he and a bunch of Army radar technicians/radio operators, all of them good for at least 35 wpm solid, were mistakenly assigned to basic radio school to learn code. And what they did about it.

73 de Jim, N2EY

73 de Jim, N2EY

464. K2ORS links

Yahoo group: glowbugradio
Date: 2009-11-23 01:23:57 UTC
From: N2EY@aol.com
Topic: 464 Message: 464

Ken,

Just wondering if the links I supplied worked for you.

BTW, even though the closest I've ever been to being Scottish is wearing a plaid shirt, I love bagpipe music. Even know many of the jokes.

73 de Jim, N2EY

465. K2ORS links

Yahoo group: glowbugradio
Date: 2009-11-23 01:35:35 UTC
From: N2EY@aol.com
Topic: 464 Message: 465

Sorry folks, somehow that post got the wrong address on it! I apologize for the confusion at this end.

Since I mentioned links to K2ORS stuff, here they are. Harry Shearer did a 2 hour tribute to Shep, which includes several great monologues.

The first hour is here:

http://hearingvoices.com/news/2009/08/hv067-jean-shepherd-1/
(http://hearingvoices.com/news/2009/08/hv067-jean-shepherd-1/)

You can download the MP3 file at the link (right click, then "Save Target As"), or listen to it online.

There's a great Army code school story that begins about 28 minutes into the file. Shep and several high-speed radio operators/radar technician buddies were mistakenly sent to basic Morse Code instruction - which, as Shep puts it, was like training a brain surgeon in how to put on a Band-Aid.

So the guinea pigs took over the experiment, so to speak.

"I COULD TEACH CODE TO A DOG!!!"

The second hour is here:

http://hearingvoices.com/news/2009/08/hv068-jean-shepherd-2/
(http://hearingvoices.com/news/2009/08/hv068-jean-shepherd-2/)

Same deal.

I would offer to email the files to people, but they're about 28 Mb each, and might not go as attachments.

73 de Jim, N2EY

466. Re: [glowbugradio] K2ORS links

Yahoo group: glowbugradio
Date: 2009-11-23 03:24:51 UTC
From: N2EY@aol.com
Topic: 464 Message: 466

Sorry, somehow that last post got sent to the list instead of directly to the recipient.

Since I mentioned links, here they are:

467. COMMAND SETS COWAN

Yahoo group: glowbugradio
Date: 2009-11-23 09:51:50 UTC
From: Edwin Alcock
Topic: 467 Message: 467

Hi All,

Way back ,Cowan Publishing sold a yellow jacketed book titled " Command Sets " .I have Googled for a pdf copy of it but failed .

Can someone on the group point me to a site where it is available as a pdf download please.

73

Ed A

_____
View your other email accounts from your Hotmail inbox. Add them now.
http://clk.atdmt.com/UKM/go/186394592/direct/01/

468. Re: [glowbugradio] COMMAND SETS COWAN

Yahoo group: glowbugradio
Date: 2009-11-23 14:02:51 UTC
From: N2EY@aol.com
Topic: 467 Message: 468

Ed,

You can find that and much more here:

http://www.mines.uidaho.edu/~glowbugs/arc5pages.htm

73 de Jim, N2EY

-----Original Message-----
From: Edwin Alcock <edwinalcock@...>
To: glowbugradio@yahoogroups.com
Sent: Mon, Nov 23, 2009 4:51 am
Subject: [glowbugradio] COMMAND SETS COWAN

Hi All,

Way back ,Cowan Publishing sold a yellow jacketed book titled " Command Sets " .I have Googled for a pdf copy of it but failed .
Can someone on the group point me to a site where it is available as a pdf download please.

73

Ed A

View your other email accounts from your Hotmail inbox. Add them now.

469. Re: [glowbugradio] COMMAND SETS COWAN

Yahoo group: glowbugradio
Date: 2009-11-23 15:38:31 UTC
From: Paul Kraemer
Topic: 467 Message: 469

Thanks Jim
Paul K0UYA
----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Monday, November 23, 2009 8:02 AM
Subject: Re: [glowbugradio] COMMAND SETS COWAN

Ed,

You can find that and much more here:

http://www.mines.uidaho.edu/~glowbugs/arc5pages.htm

73 de Jim, N2EY

-----Original Message-----
From: Edwin Alcock <edwinalcock@...>
To: glowbugradio@yahoogroups.com
Sent: Mon, Nov 23, 2009 4:51 am
Subject: [glowbugradio] COMMAND SETS COWAN

Hi All,

Way back ,Cowan Publishing sold a yellow jacketed book titled " Command Sets " .I have Googled for a pdf copy of it but failed .
Can someone on the group point me to a site where it is available as a pdf download please.

73

Ed A

View your other email accounts from your Hotmail inbox. Add them now.

470. Re: [glowbugradio] COMMAND SETS COWAN

Yahoo group: glowbugradio
Date: 2009-11-23 17:28:12 UTC
From: mac
Topic: 467 Message: 470

1000 and 1 ways to mutilate a command set. Does contain a lot of
useful information, though.....

Dennis D. W7QHO
Glendale, CA

On Nov 23, 2009, at 1:51 AM, Edwin Alcock wrote:

> Hi All,
>
> Way back ,Cowan Publishing sold a yellow jacketed book titled "
> Command Sets " .I have Googled for a pdf copy of it but failed .
> Can someone on the group point me to a site where it is available as
> a pdf download please.
>
> 73
>
> Ed A
>
>
> View your other email accounts from your Hotmail inbox. Add them now.
>
>

471. RE: [glowbugradio] COMMAND SETS COWAN

Yahoo group: glowbugradio
Date: 2009-11-24 09:39:34 UTC
From: Edwin Alcock
Topic: 467 Message: 471

Hi ,

Many thanks to all who replied and provided source info ,it is appreciated.

73

Ed A

To: glowbugradio@yahoogroups.com
From: elespe@lisco.com
Date: Mon, 23 Nov 2009 09:38:31 -0600
Subject: Re: [glowbugradio] COMMAND SETS COWAN

☐
Thanks Jim
Paul K0UYA

----- Original Message -----
From: N2EY@aol.com
To: glowbugradio@yahoogroups.com
Sent: Monday, November 23, 2009 8:02 AM
Subject: Re: [glowbugradio] COMMAND SETS COWAN

Ed,

You can find that and much more here:

http://www.mines.uidaho.edu/~glowbugs/arc5pages.htm

73 de Jim, N2EY

-----Original Message-----
From: Edwin Alcock <edwinalcock@hotmail.com>
To: glowbugradio@yahoogroups.com
Sent: Mon, Nov 23, 2009 4:51 am
Subject: [glowbugradio] COMMAND SETS COWAN

Hi All,

Way back ,Cowan Publishing sold a yellow jacketed book titled " Command Sets " .I have Googled for a pdf copy of it but failed .
Can someone on the group point me to a site where it is available as a pdf download please.

73

Ed A

View your other email accounts from your Hotmail inbox. Add them now.

_____
Got more than one Hotmail account? Save time by linking them together
http://clk.atdmt.com/UKM/go/186394591/direct/01/

472. FS: Heath SB-200 Amplifier

Yahoo group: glowbugradio
Date: 2009-11-24 14:09:25 UTC
From: J. Gordon Beattie, Jr., W2TTT
Topic: 472 Message: 472

Hi Folks!

I have for sale a Heath SB-200 Amplifier

Asking $400 & Shipping or local pickup in northern New Jersey

Check, Postal Money Order or PayPal accepted.

Photo available by request to w2ttt@... or w2ttt@...

Thanks & 73,

Gordon Beattie, W2TTT

201.314.6964

473. NEED HV CAPS

Yahoo group: glowbugradio
Date: 2009-12-06 17:17:16 UTC
From: K0DAN
Topic: 473 Message: 473

I need about six HV caps in the 4-5 kv range, anywhere between .001 to .1 uF.

Does anyone have some they could ship/sell me cheap?

Please respond off-list to
k0dan at arrl dot net

Thanks and 73
dan
k0dan

474. Wanted: Short Wave Coil Book

Yahoo group: glowbugradio
Date: 2009-12-06 17:43:46 UTC
From: Bill Cotter
Topic: 473 Message: 474

Hi,

Does anyone have a copy of the 1930's Hugo Gernsback publication "Short Wave Coil Book" in printed or pdf format they would like to sell, trade or loan? If so, please drop me a line off-list

73 Bill N4LG

n4lg@...

475. Re: [glowbugradio] NEED HV CAPS

Yahoo group: glowbugradio
Date: 2009-12-12 04:25:57 UTC
From: jackholzer@att.net
Topic: 473 Message: 475

Dan I have a selection and will call you tomorrow morning to discuss.
-------------- Original message from "K0DAN" <k0dan@...>: --------------

I need about six HV caps in the 4-5 kv range, anywhere between .001 to .1 uF.

Does anyone have some they could ship/sell me cheap?

Please respond off-list to
k0dan at arrl dot net

Thanks and 73
dan
k0dan

476. Re: [glowbugradio] NEED HV CAPS

Yahoo group: glowbugradio
Date: 2009-12-12 04:34:51 UTC
From: Lloyd KK7IZ
Topic: 473 Message: 476

Already got him covered
Thanx
Lloyd KK7IZ
kk7iz@...
480-620-7145

----- Original Message -----
From: jackholzer@...
To: glowbugradio@yahoogroups.com
Sent: Friday, December 11, 2009 9:25 PM
Subject: Re: [glowbugradio] NEED HV CAPS

Dan I have a selection and will call you tomorrow morning to discuss.
-------------- Original message from "K0DAN" <k0dan@...>: --------------

I need about six HV caps in the 4-5 kv range, anywhere between .001 to .1 uF.

Does anyone have some they could ship/sell me cheap?

Please respond off-list to
k0dan at arrl dot net

Thanks and 73
dan
k0dan

477. Fw: TWO TRANSMATCH ("ANTENNA TUNERS") FOR SALE

Yahoo group: glowbugradio
Date: 2009-12-20 00:30:12 UTC
From: K0DAN
Topic: 477 Message: 477

Subject: TWO TRANSMATCH ("ANTENNA TUNERS") FOR SALE

I have a pair of really well-made vintage homebrew tuners for sale (neither built by me), both are of excellent construction and cosmetically attractive. One is literally a work of art.

Both will handle 1KW+ 3.5-29 Mhz, and possibly also 1.8 Mhz depending on your particular antenna. Large capacitors and roller inductor in each. One is $125, the other is $250, that is the amount I have in them, I am not looking to make a profit here. Pick up in Kansas City area or add appropriate shipping.

Please contact me off-list and I will provide additional info and photos.

Thanks and 73,

Dan
K0DAN

k0dan at arrl dot net

478. Seasons Greetings

Yahoo group: glowbugradio
Date: 2009-12-25 13:37:31 UTC
From: Mike
Topic: 478 Message: 478

I wish all on the board a Merry Christmas and a prosperous New Year.

Mike Harrison
Kansas City Missouri
KE0ZU

479. Hi Z Mic plus other items FS

Yahoo group: glowbugradio
Date: 2010-01-06 15:20:33 UTC
From: Ken Simpson, W8EK
Topic: 479 Message: 479

For Sale:

Heath High Impedance Hand Microphone
This is the black colored hand mic that was used on
the HW and SB series transceivers from 25 or 30 years ago.
It is a Hi Z mic. This particular mic is in good condition.
It works great, and looks fine cosmetically. It even includes
the mounting clip (which looks like it was never used).
This mic presently has stripped and tinned ends, but of
course a connector can easily be added.
I have paper work for a Heath GH-12 A hand microphone with
it, but am not certain that is what it is. My memory says
the GH-12 A was dark green in color, and this one is a
black color. $30

Other Microphones:

Shure 104 C, Low Z hand Microphone
This is a very heavy duty Shure mic. It appears to be new,
with stripped and tinned ends that have never been on a
connector. It is in its original box, with the original
instruction manual. $30

Yaesu MH-1 B 8 dynamic hand microphone
This is the Yaesu hand microphone that has the round
8 pin connector on it. It will go with virtually any
Yaesu rig that uses the round 8 pin connector. It has
up, down, and fst switches, and well as a tone switch,
in addition to the PTT switch.
This particular unit works fie. The front of it looks
very good. The back has some minor defects, but nothing
that effects operation. $30

Lafayette EAM-15 dynamic hand microphone
2000 ohm impedance can be used any place a dynamic mic is
needed. Striped and tinned leads.
It works fine, and looks good also. $25

Generic Hand Microphone
This is a low impedance hand microphone, black in color.
With 8 pin round connector wired for Kenwood. $27
Striped and tinned leads. $22

Regular hand microphone
Electret Condenser microphone
Generic Black mic, with gray PTT bar. Requires polarizing
voltage. $25

DTMF Touch Tone Microphones:

CES 655 L "Microdialer" DTMF Microphone
You can manual dial a number, or automatically have it stored in the mic, and "speed dial" with this mic. 12 digit touch tone pad on the front, with the microphone part above the pad. This one presently has a 4 pin plug on it, but of course that can be changed. $35

CES 600 L, Universal DTMF microphone
This has a normal touch tone pad on the front, with a low impedance microphone. This one has the 8 pin modular plug (like a computer LAN) on it. This mic has not been used, so it is in really great condition. With paper work for $40.

Data Signal "Data-Coder 5" touch tone mic
This mic has a 12 digit touchtone pad on it, plus a normal low impedance microphone. With 4 pin plug. Like new. $38

Speaker Microphones:

Azden SDX-316
This is the rounder style speaker mic that fits nicely in the palm of your hand. Has 3.5 mm and 2.5 mm plugs for Azden, Icom, some Yaesu, and others. $ 20

Kenwood SMC-24 speaker microphone
Fits Kenwood TR-2400 HT and others. This one looks fine and works fine. $18

VoMax Speech Processor:

This unit was considered the absolute best speech processor available in the 80's. The VoMax splits the audio signal into discrete bands, processes each band, passes the separate signals through bandpass filters to eliminate distortion, and sums the signals in a phase-equalizing combiner. The result is superb audio you can feed to your transmitter that has low distortion and 10-12db power gain!

The VoMax added between your microphone and transmitter gives you extra punch that is equivalent to adding a linear amplifier. It is power by 12 V DC at about 100 ma.

This particular unit works fine, and looks very nice. Paper work is included for $75.

Coaxial Antenna Switch:
B & W Model 550 A coax switch
This model will switch up to 5 antennas, and does NOT ground unused antennas. It has the coax coming out the sides like spokes of a wheel. This one has the optional

face place also. It will handle full legal limit.
This one works fine and looks fine as well. $40

Coax connectors and adapters:
Prices are per connector. Several of each are available.
These are NOS (have not been used).

BNC male
standard type - $2
crimp on type - $3

Chassis mount BNC female square mount (uses 4 screws) - $3
screw in type - $4

BNC 90 degree - female to male - $3

BNC "T" - two female and one male - $4

Antenna adapter to fit the BNC connector on the HT
and provide an SO-239 connector that will permit
a PL-259 to be attached. (BNC male to UHF female) $5

UHF Male (PL-259) to BNC female (opposite of above) $5

UHF double female "Barrel connector" (two SO-239 together) $3

Chassis Mount SO-239 connectors (square) $1

UHF "T" connector with two female (SO-239) and one male
(PL-259) connection - $5

Weston Precision MilliVolt Meter Model 1
This is an extremely precision meter, with mirrored
scale about 6 inches long. It weighs about 5 1/2 pounds!
It has terminals for scales of 150, 1500, 15000, and
150000 millivolts.
Also included is the calibration information (from 1944)
indicating that it is "dot on" for calibration.
In addition, it is in an extremely nice protective case,
that appears to be real leather.
To put it another way, this is an extremely nice meter!
$80

Low Pass TVI Filters:

Drake TV-5200-LP
This is the more modern version of the Drake TV-1000 Low Pass
Filter. This is the filter that may also be used on the low
end of six meters, as well as HF. It is good for 1000 Watts
average below 30 MHz, and about 200 W up to 52 MHz. It works
fine, and is in very nice shape. $35

Drake TV-3300-LP Low Pass Filter
This is a modern low pass filter to go between your transmitter

and antenna, and has been optimized to have more attenuation in the 40 MHz region, where many TVs have their IF. It is good for 1000 Watts "average" according to the manual, and has over 80 db attenuation at 41 MHz. This one looks great, and includes the paper work. $30

B & W FL-10/1500 (Also known as model 425) low pass filter
B & W TVI filter, 50 ohm. It cuts off just above 10 meters, and will handle 1500 Watts. SO-239 connector on each end. This is the latest model B & W filter. It is in very nice condition; it looks very close to new. With paper work $40.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

480. OT but it's a coil, sorta

Yahoo group: glowbugradio
Date: 2010-01-06 16:25:26 UTC
From: Robert Nickels
Topic: 480 Message: 480

Since GB folks tend to be a pretty smart lot, I thought I'd see if anyone may have an idea where I can find a small quantity (16 pcs) of a small extension spring. What I need is made of .012" steel wire and is .088" in diameter. Each spring needs to be about 5/8" long but I can cut continuous stock to length. The key spec is the outer diameter - the smallest springs McMaster Carr has are too big in diameter, and the spring makers I've found have prohibitively high minimum order quantity and/or prices.

The application is for an autotune mechanism in an old Crosley radio, and they do look like coils ;-)

Thanks for any suggestions on where to look.

73, Bob W9RAN

481. Re: [glowbugradio] OT but it's a coil, sorta

Yahoo group: glowbugradio
Date: 2010-01-06 16:32:06 UTC
From: rbethman
Topic: 480 Message: 481

Try your local True Value or ACE Hardware stores.

They usually have drawers of misc. piedes and parts.

Mine has springs of all sorts and sizes.

Find the oldest guy there and ask him where to find the springs.

Bob - N0DGN

Robert Nickels wrote:
>
>
> Since GB folks tend to be a pretty smart lot, I thought I'd see if
> anyone may have an idea where I can find a small quantity (16 pcs) of a
> small extension spring. What I need is made of .012" steel wire and is
> .088" in diameter. Each spring needs to be about 5/8" long but I can
> cut continuous stock to length. The key spec is the outer diameter -
> the smallest springs McMaster Carr has are too big in diameter, and the
> spring makers I've found have prohibitively high minimum order quantity
> and/or prices.
>
> The application is for an autotune mechanism in an old Crosley radio,
> and they do look like coils ;-)
>
> Thanks for any suggestions on where to look.
>
> 73, Bob W9RAN
>

482. Re: [glowbugradio] OT but it's a coil, sorta

Yahoo group: glowbugradio
Date: 2010-01-06 16:38:17 UTC
From: Lloyd KK7IZ
Topic: 480 Message: 482

Compression or expantion spring? If compression maybe the spring out of a ball pen? They are various sizes and some are quite small.
Thanx
Lloyd KK7IZ
kk7iz@...
480-620-7145

----- Original Message -----
From: Robert Nickels
To: glowbugradio@yahoogroups.com
Sent: Wednesday, January 06, 2010 9:25 AM
Subject: [glowbugradio] OT but it's a coil, sorta

Since GB folks tend to be a pretty smart lot, I thought I'd see if anyone may have an idea where I can find a small quantity (16 pcs) of a small extension spring. What I need is made of .012" steel wire and is .088" in diameter. Each spring needs to be about 5/8" long but I can cut continuous stock to length. The key spec is the outer diameter - the smallest springs McMaster Carr has are too big in diameter, and the spring makers I've found have prohibitively high minimum order quantity and/or prices.

The application is for an autotune mechanism in an old Crosley radio, and they do look like coils ;-)

Thanks for any suggestions on where to look.

73, Bob W9RAN

483. Re: [glowbugradio] OT but it's a coil, sorta

Yahoo group: glowbugradio
Date: 2010-01-06 16:50:28 UTC
From: Daryl P. Dacko
Topic: 480 Message: 483

Robert Nickels wrote:
>
>
> Since GB folks tend to be a pretty smart lot, I thought I'd see if
> anyone may have an idea where I can find a small quantity (16 pcs) of a
> small extension spring. What I need is made of .012" steel wire and is
> .088" in diameter. Each spring needs to be about 5/8" long but I can
> cut continuous stock to length. The key spec is the outer diameter -
> the smallest springs McMaster Carr has are too big in diameter, and the
> spring makers I've found have prohibitively high minimum order quantity
> and/or prices.
>
> The application is for an autotune mechanism in an old Crosley radio,
> and they do look like coils ;-)
>
> Thanks for any suggestions on where to look.
>
> 73, Bob W9RAN
>

Try:

http://www.smallparts.com/

Daryl
WD8PTP

484. Re: [glowbugradio] OT but it's a coil, sorta

Yahoo group: glowbugradio
Date: 2010-01-06 17:39:08 UTC
From: Carl
Topic: 480 Message: 484

Ive found most of my needs covered by those small spring assortments found at hobby shops. You get a couple of hundred springs in a divided plastic box.

Carl
KM1H

----- Original Message -----
From: Lloyd KK7IZ
To: glowbugradio@yahoogroups.com
Sent: Wednesday, January 06, 2010 11:38 AM
Subject: Re: [glowbugradio] OT but it's a coil, sorta

Compression or expantion spring? If compression maybe the spring out of a ball pen? They are various sizes and some are quite small.
Thanx
Lloyd KK7IZ
kk7iz@...
480-620-7145

----- Original Message -----
From: Robert Nickels
To: glowbugradio@yahoogroups.com
Sent: Wednesday, January 06, 2010 9:25 AM
Subject: [glowbugradio] OT but it's a coil, sorta

Since GB folks tend to be a pretty smart lot, I thought I'd see if anyone may have an idea where I can find a small quantity (16 pcs) of a small extension spring. What I need is made of .012" steel wire and is .088" in diameter. Each spring needs to be about 5/8" long but I can cut continuous stock to length. The key spec is the outer diameter - the smallest springs McMaster Carr has are too big in diameter, and the spring makers I've found have prohibitively high minimum order quantity and/or prices.

The application is for an autotune mechanism in an old Crosley radio, and they do look like coils ;-)

Thanks for any suggestions on where to look.

73, Bob W9RAN

485. WTB: HRO-60 D osillator coil module

Yahoo group: glowbugradio
Date: 2010-01-09 18:05:14 UTC
From: geoff8122
Topic: 485 Message: 485

I need just the ceramic assembly, D-4, with or without the aluminum cover.

I'll also consider a reasonably priced complete D coil

Carl

486. WTB: IF can for NC-88 or NC-98

Yahoo group: glowbugradio
Date: 2010-01-17 20:31:22 UTC
From: geoff8122
Topic: 486 Message: 486

I need a 1st or 2nd IF assembly for a NC-88/98, they are identical. A Miller 1483-C or Meissner 16-6758 will also work.

Any help is appreciated.

Carl

487. Orlando FL Hamcation Info

Yahoo group: glowbugradio
Date: 2010-01-31 14:16:37 UTC
From: Ken Simpson, W8EK
Topic: 487 Message: 487

Orlando FL Hamcation Information:

The Orlando Hamcation is less than two weeks away. It will be
held from February 12 thru February 14, but much of the activity
starts on Thursday, February 11, when most of the tailgaters
set up. If you have not made your plans to attend, you need
to do so now. Florida is the place to be in February!

Info can be found at
http://hamcation.com/default.html
There is a lot of information at this web site, so be certain
to check all of the special areas.

At the present time, there are a few tables still available in
the swap building. All of the wall spaces and end caps have been
taken. If you want more than one table together, get your
reservation in NOW. Having a table inside the building, instead
of outside in the tailgate area, protects you (and your equipment)
from the weather, and only costs $10 more for the entire weekend.
Please e-mail hamcation@... to make reservations or get
more information.

Everyone knows that there are many other activities in the central
Florida area, so be certain to bring the XYL. Hamcation will also
have YL activities, and of course many are now hams, so will enjoy
Hamcation as well. The bottom line is "Bring the entire family."

Advance registrations are running considerably ahead of last year,
so this promises to be another large (10,000 plus hams) hamfest.
To put it another way, don't stay home because you think attendance
might be down due to the economy. It does not look that way.

See you there!

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

488. Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-02 00:05:55 UTC
From: geoff8122
Topic: 488 Message: 488

There hasnt been much posting lately.

Is anyone working on a homebrew project, rebuilding a radio, etc? If so tell us about it.

I just finished a NC-98 and starting on a SX-28.

Carl
KM1H

489. Re: [glowbugradio] Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-02 00:41:41 UTC
From: Bill Cromwell
Topic: 488 Message: 489

Hi Carl,

This was setup for people addicted to the glowbug reflector when it was down for a while. The reflector is revived, alive, and well. This one mostly got abandoned when the *real* list came back. I still look at the messages on here but none of them have been appropriate for my response until now.

Are you on the glowbugs list from the University of Idaho list server?

73,

Bill KU8H

490. Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-02 05:08:37 UTC
From: Randy
Topic: 488 Message: 490

Since photos I don't think will show up here where we are reading at the moment I put all my photos and text in the photo section. Just look for the album KA1UNW.
I'm assembling a pile of parts to make a receiver to go with the transmitter I made (8PV4 aka Bermuda Bomber).

Randy
KA1UNW

--- In glowbugradio@yahoogroups.com, "geoff8122" <km1h@...> wrote:
>
> There hasnt been much posting lately.
>
> Is anyone working on a homebrew project, rebuilding a radio, etc? If so tell us about it.
>
> I just finished a NC-98 and starting on a SX-28.
>
> Carl
> KM1H
>

491. Re: [glowbugradio] Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-02 13:49:01 UTC
From: Carl
Topic: 488 Message: 491

Bill, it was setup by me after I got tired of the heavy handed moderation and really off the wall excuses for engineering over on U Idaho. This was a few years before its server crash.

Perhaps more should be aware of this site for more advanced projects.

Carl

----- Original Message -----
From: Bill Cromwell
To: glowbugradio@yahoogroups.com
Sent: Monday, February 01, 2010 7:41 PM
Subject: Re: [glowbugradio] Is anybody alive?

Hi Carl,

This was setup for people addicted to the glowbug reflector when it was down for a while. The reflector is revived, alive, and well. This one mostly got abandoned when the *real* list came back. I still look at the messages on here but none of them have been appropriate for my response until now.

Are you on the glowbugs list from the University of Idaho list server?

73,

Bill KU8H

492. Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-02 15:43:50 UTC
From: ku8h
Topic: 488 Message: 492

Hi,

Yeah... I confused this with another Yahoo Group with a similar name. I need to pay closer attention!

73,

Bill KU8H

493. Re: [glowbugradio] Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-02 19:30:11 UTC
From: Kenneth G. Gordon
Topic: 488 Message: 493

Well, as Carl and I have been discussing, I have many projects in the works. However, the one taking center stage at the moment, is attempting to retire.

It is FAR more difficult to retire than it ever was to get the job in the first place.

Nonetheless, I did manage to participate for a few hours this past weekend in the Classic Exchange and in the 160 meter contest (which-ever one it was).

On 160, despite my low power and poor antenna, I managed to work quite a number of stations, including Delaware, New Hampshire, Maine, and some DX, PJ2T, a JA, and EF8M among others. 160 sounded like 20 meters at the peak of the sun-spots.

Concerning the Classic Exchange, I had not planned to participate, but when I took a short listen, it sounded so interesting, I pulled a Heathkit DX-35 (which was my first transmitter in 1956) down off the shelf, and picked an HQ-110C I had been periodically working with off the floor of the shack, connected them together with a Johnson TR switch, and a Heathkit VF-1 VFO and, amazingly, everything worked.

Haven't had so much fun since 1956.

The HQ-110C has a bad problem with lack of stability. Every time any electrical appliance in the house started or stopped, the thing takes off up or down the band. Gotta investigate and fix that.

The DX-35/VF-1 combo chirped badly on 40, but was as solid as a rock T9X on 80. Gotta fix that too.

I use the same VF-1 (modified for grid-block keying) with a HW-16 and there is no chirp on 40 with that combo. I think there is considerable RF from the DX-35 getting back into the VF-1 on 40. But then again, the DX-35 chirps on 40 with crystals too. Gotta fix that before the next CX.

I have never cared for "interesting sounding" signals, especially from my own rigs.

Conditions on 40 were miserable, so I went to 80, where conditions were superb and got better and better the later it got. My second to last contact in the CX was with N2BE in New Jersey. Signals were 599 both ways, he was using a DX-100 and a 75A4.

Other combos heard and worked were DX-100/HRO-50, 32V3/75A4, 32V2/75A2, Viking Challenger/BC-348, BC-459/BC-454, Viking Ranger/Drake 2B. Great fun.

Ken Gordon W7EKB

494. RF ANALYZER FOR USE WITH VINTAGE OR NEW EQUIPMENT

Yahoo group: glowbugradio
Date: 2010-02-08 17:04:16 UTC
From: K0DAN
Topic: 494 Message: 494

I have an MFJ 259B RF Analyzer which is surplus to my needs. This is the 1.8-170 Mhz version, manual is available here:
http://www.mfjenterprises.com/man/pdf/MFJ-259B.pdf
Unit looks and works fine and includes an AC power supply and the original manual.
$200 + shipping from Kansas City area.
If interested please contact me off list.
Tnx es 73
Dan
K0DAN

Sorry if too far O.T!

495. WTB: HL-2200 Large Knob

Yahoo group: glowbugradio
Date: 2010-02-13 19:17:49 UTC
From: geoff8122
Topic: 495 Message: 495

Or from any product that uses the same knob. Must be in mint condition.

Carl
KM1H

496. Cardwell 54, where are you?

Yahoo group: glowbugradio
Date: 2010-02-18 18:35:21 UTC
From: John Ruccolo
Topic: 495 Message: 496

Hi glowbug fans,

Has anyone ever *seen* one of these radios? All I've ever seen are ads. Were they ever actually produced?

Regards,

John

497. Re: [glowbugradio] Cardwell 54, where are you?

Yahoo group: glowbugradio
Date: 2010-02-18 19:14:07 UTC
From: Carl
Topic: 495 Message: 497

Not beyond the engineering sample which they then tried to market to other companies to recoup some of the development cost. I dont remember if it was even working.

Carl

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, February 18, 2010 1:35 PM
Subject: [glowbugradio] Cardwell 54, where are you?

Hi glowbug fans,

Has anyone ever *seen* one of these radios? All I've ever seen are ads. Were they ever actually produced?

Regards,

John

498. Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-20 06:18:55 UTC
From: k5myj
Topic: 488 Message: 498

How many people are still reading this list?

It looks like the old GB list is looking for a new home. Why don't they just move here?

It looks like the sun came to life this week just in time for a contest. This afternoon WWV was coming in here in the PNW very strong. I heard a bunch of contest activity hear on both 20 and 40 this afternoon and early evening. But by about 8:30 PST 40 went quiet.

Bob Macklin, K4MYJ

"Real Radios Glow In The Dark"

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:
>
> Well, as Carl and I have been discussing, I have many projects in the works.
> However, the one taking center stage at the moment, is attempting to retire.
>
> It is FAR more difficult to retire than it ever was to get the job in the first
> place.
>
> Nonetheless, I did manage to participate for a few hours this past weekend in
> the Classic Exchange and in the 160 meter contest (which-ever one it was).
>
> On 160, despite my low power and poor antenna, I managed to work quite a
> number of stations, including Delaware, New Hampshire, Maine, and some
> DX, PJ2T, a JA, and EF8M among others. 160 sounded like 20 meters at the
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>
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> 32V2/75A2, Viking Challenger/BC-348, BC-459/BC-454, Viking
> Ranger/Drake 2B. Great fun.
>
> Ken Gordon W7EKB
>

499. Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-20 06:18:54 UTC
From: k5myj
Topic: 488 Message: 499

How many people are still reading this list?

It looks like the old GB list is looking for a new home. Why don't they just move here?

It looks like the sun came to life this week just in time for a contest. This afternoon WWV was coming in here in the PNW very strong. I heard a bunch of contest activity hear on both 20 and 40 this afternoon and early evening. But by about 8:30 PST 40 went quiet.

Bob Macklin, K4MYJ

"Real Radios Glow In The Dark"

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>
> Well, as Carl and I have been discussing, I have many projects in the works.
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> place.
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> Ken Gordon W7EKB
>

500. Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-20 13:00:17 UTC
From: Udo
Topic: 488 Message: 500

Hi, Bob,
I receive a regular mail summary from this group. Sorry, but I didn't contribute until now.
I'm waiting for the Glowbugs list to move here ;-).
73 de Udo, dk3bi

--- In glowbugradio@yahoogroups.com, "k5myj" <macklinbob@...> wrote:
>
> How many people are still reading this list?
>
> It looks like the old GB list is looking for a new home. Why don't they just move here?

501. Re: [glowbugradio] Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-20 14:23:58 UTC
From: Carl
Topic: 488 Message: 501

Im sure they would be welcome here, why dont you suggest it? The ability to post pictures, and files is a huge plus.

Carl

----- Original Message -----
From: k5myj
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 20, 2010 1:18 AM
Subject: [glowbugradio] Re: Is anybody alive?

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> Ken Gordon W7EKB
>

502. Re: [glowbugradio] Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-20 15:15:28 UTC
From: Paul Kraemer
Topic: 488 Message: 502

One reflector per topic sure would be wonderful
Paul K0UYA
----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 20, 2010 8:23 AM
Subject: Re: [glowbugradio] Re: Is anybody alive?

Im sure they would be welcome here, why dont you suggest it? The ability to post pictures, and files is a huge plus.

Carl

----- Original Message -----
From: k5myj
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 20, 2010 1:18 AM
Subject: [glowbugradio] Re: Is anybody alive?

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> Ken Gordon W7EKB
>

503. SWAP: Harbach SB-200 Soft Key for a SB-220 version

Yahoo group: glowbugradio
Date: 2010-02-20 19:20:27 UTC
From: geoff8122
Topic: 503 Message: 503

I have a new one for the SB-200 that is excess to my needs and will swap even.

Carl

504. Re: [glowbugradio] Re: Is anybody alive?

Yahoo group: glowbugradio
Date: 2010-02-20 23:38:22 UTC
From: Bob Macklin
Topic: 488 Message: 504

I plan too!

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 20, 2010 6:23 AM
Subject: Re: [glowbugradio] Re: Is anybody alive?

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Carl

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From: k5myj
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 20, 2010 1:18 AM
Subject: [glowbugradio] Re: Is anybody alive?

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> Ken Gordon W7EKB
>

505. Cardwell radios

Yahoo group: glowbugradio
Date: 2010-02-22 01:49:18 UTC
From: Bill
Topic: 505 Message: 505
Attachments: 1 described; binary payloads are missing from this source WARC

If someone asked about Cardwell radios, take a look at the attachment.

Bill W0JCL (in sunny Minnesota)

506. Cardwell

Yahoo group: glowbugradio
Date: 2010-02-22 12:00:29 UTC
From: Bill Cromwell
Topic: 506 Message: 506

The link brings up an empty page on my browser

73,

Bill KU8H

507. Re: [glowbugradio] Cardwell

Yahoo group: glowbugradio
Date: 2010-02-22 15:05:40 UTC
From: Carl
Topic: 506 Message: 507

It shows a 20's Cardwell battery set, not the 40's high end superhet.

Carl

----- Original Message -----
From: Bill Cromwell
To: glowbugradio@yahoogroups.com
Sent: Monday, February 22, 2010 7:00 AM
Subject: [glowbugradio] Cardwell

The link brings up an empty page on my browser

73,

Bill KU8H

508. Re: [glowbugradio] Cardwell

Yahoo group: glowbugradio
Date: 2010-02-22 15:35:48 UTC
From: Bill
Topic: 506 Message: 508

Bill Cromwell wrote:
>
> The link brings up an empty page on my browser
>
> 73,
>
> Bill KU8H
>
> _TTry this link instead:_._,_.___
> Reply to sender <mailto:w_r_cromwell@...?subject=Cardwell> |
> Reply to group <mailto:glowbugradio@yahoogroups.com?subject=Cardwell>
> Messages in this topic
> <http://groups.yahoo.com/group/glowbugradio/message/506;_ylc=X3oDMTMzdW05dDllBF9TAzk3MzU
5NzE0BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1MDYEc2VjA2Z0cgRzbGsDdnRwYwRzd
GltZQMxMjY2ODQwMDMzBHRwY0lkAzUwNg-->
> (1)
> Recent Activity:
>
> Visit Your Group
> <http://groups.yahoo.com/group/glowbugradio;_ylc=X3oDMTJmNG1mazIyBF9TAzk3MzU5NzE0BGdycEl
kAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEyNjY4NDAwMzM->
> Start a New Topic
> <http://groups.yahoo.com/group/glowbugradio/post;_ylc=X3oDMTJmbWJudGtnBF9TAzk3MzU5NzE0BG
dycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzEyNjY4NDAwMzM-
>
>
> Yahoo! Groups
> <http://groups.yahoo.com/;_ylc=X3oDMTJlMDE1dmtnBF9TAzk3MzU5NzE0BGdycElkAzIyNDM4MjgwBGdyc
HNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTI2Njg0MDAzMw-->
>
> Switch to: Text-Only
> <mailto:glowbugradio-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20T
raditional>,
> Daily Digest
> <mailto:glowbugradio-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest>
> ? Unsubscribe
> <mailto:glowbugradio-unsubscribe@yahoogroups.com?subject=Unsubscribe>
> ? Terms of Use <http://docs.yahoo.com/info/terms/>
> .
> _*Try this link instead:*_

http://www.antiqueradioexchange/index.php?a=2&b=984
>
> ---
>

>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 8.5.435 / Virus Database: 271.1.1/2702 - Release Date: 02/21/10 19:34:00
>
>

509. Magic Eye Tube FS

Yahoo group: glowbugradio
Date: 2010-02-27 17:39:22 UTC
From: Ken Simpson, W8EK
Topic: 509 Message: 509

Tubes For Sale:

"Magic Eye" Tube:
6E5 "Magic Eye" tube as used in many capacitor testers,
and other test equipment that uses the "magic eye" as
an indicator.
This particular 6E5 is NOS (New, unused, but old stock),
in its original Sylvania box. $22

Note: All tubes are NOS (New, but Old Stock).

Rectifier tubes:
0 Z 4 - $5
1B3 - $1
5U4 - $12
5V4 - $12
5Y3 - $12
5Z3 - $12
5642 - 10,000 PIV, w/ wire leads - $4

Regulator tubes: $5 each
Several of each available.
0 A 2
0 D 3

Amperite Ballast tubes: $8 each
Several of each available.
1H46
3-16
3-38

Loctal tubes:
Several of each available.
7A8 - $4 each
7B4 - $4 each
7C5 - $8 each
7F7 - $8 each
7K7 - $6 each
7N7 - $9 each
7Q7 - $5 each

1620 - selected, low microphonic metal 6J7 - $8

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

510. A couple of questions.

Yahoo group: glowbugradio
Date: 2010-03-03 05:26:45 UTC
From: Kenneth G. Gordon
Topic: 510 Message: 510

First of all, who posted that beautiful photo of the pair of 304TLs at full-bore, and where did you get those plate caps?

I need some.

Secondly, I recently bought a 5-prong twist-lock Johnson socket off eBay for peanuts for use with one of the NIB ex-Navy 803s I have here.

When I tried to install the tube in the new socket, I discovered that the tube was loose in its ceramic base. So, I unsoldered the tube's leads from the socket pins and removed it with the idea of gluing them back together.

However, I can't find in my files any reference to what might be suitable glue. I understand that although epoxy can glue them together, using that will eventually break the tube. Also, sometimes when epoxy gets hot, it melts.

Can anyone suggest the correct glue, and a source for it, please?

Ken Gordon W7EKB

511. Re: [glowbugradio] A couple of questions.

Yahoo group: glowbugradio
Date: 2010-03-03 05:56:14 UTC
From: Lloyd Godsey
Topic: 510 Message: 511

Two thoughts cross my feeble mind.
1. Red high temp RTV as used on carburetor manifolds etc. Not a solid so would move under temperature.
2. Dop wax as used in lapidary work. High temp wax that should move with the heat.
Or chewing gum or whatever.

From: Kenneth G. Gordon
Sent: Tuesday, March 02, 2010 10:26 PM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] A couple of questions.

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Ken Gordon W7EKB

512. Re: [glowbugradio] A couple of questions.

Yahoo group: glowbugradio
Date: 2010-03-03 15:12:23 UTC
From: Carl
Topic: 510 Message: 512

First of all, who posted that beautiful photo of the pair of 304TLs at full-bore, and where did you get those plate caps?

** Me. Thats an audiophool amp that I found on the Internet. For my modulator I had a local friend with a screw machine shop copy a set of grungy Eimacs.

I need some.

Secondly, I recently bought a 5-prong twist-lock Johnson socket off eBay for peanuts for use with one of the NIB ex-Navy 803s I have here.

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** I use old fashion furnace cement which is similar to the original tube formula. Mix a good slurry as if grouting tiles and then give it a slow oven bake. Rig so the tube is compressed into the base.

Carl
KM1H

Ken Gordon W7EKB

513. Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-04 19:57:07 UTC
From: Bill
Topic: 513 Message: 513

Does anyone in the 'group' know how to locate a noisy resistor. I've tried using a small coil on the end of a scope probe, but the results are not localized enough. I suppose I could bridge the resistors, but they arwe deep down in the chassis. I hope there is an easier way.

Bill Lundberg - W0JCL

514. RE: [glowbugradio] Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-04 21:06:32 UTC
From: D C *Mac* Macdonald
Topic: 513 Message: 514

Freeze spray and/or small soldering iron applied to the suspect?

73 - Mac, K2GKK/5
(Since 30 Nov 53)
Oklahoma City, OK

To: glowbugradio@yahoogroups.com
From: pavalon@...
Date: Thu, 4 Mar 2010 13:57:07 -0600
Subject: [glowbugradio] Noisy Resistors

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Bill Lundberg - W0JCL
[)>058004060297099999999999999999999999804576412CAG31550PNO8004245G1SEQ3177

515. RE: [glowbugradio] Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-07 20:34:09 UTC
From: Bill
Topic: 513 Message: 515

Mac - Thanks a million for the suggestion to use something really cold or really hot.
Hot I can't do, but our local Radio store has a spray can of something called
Component Cooler. I'l let you know if it works

Bill - W0JCL (Red Wing, MN)

516. RE: [glowbugradio] Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-07 22:57:16 UTC
From: John Ruccolo
Topic: 513 Message: 516

Hi Bill,

For "hot," why not try holding the tip of your soldering iron very close to the suspect part(s).

John

KC2UAK

--- On Sun, 3/7/10, Bill <pavalon@...> wrote:

From: Bill <pavalon@charter.net>
Subject: RE: [glowbugradio] Noisy Resistors
To: glowbugradio@yahoogroups.com
Date: Sunday, March 7, 2010, 3:34 PM

Mac - Thanks a million for the suggestion to use something really cold
or really hot.
Hot I can't do, but our local Radio store has a spray can of something
called
Component Cooler. I'l let you know if it works

Bill - W0JCL (Red Wing, MN)

517. RE: [glowbugradio] Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-07 23:19:53 UTC
From: D C *Mac* Macdonald
Topic: 513 Message: 517

I thought I suggested that in my original
hints for Bill.

I use that technique frequently on my job.

73 - Mac, K2GKK/5
OKlahoma City, OK

To: glowbugradio@yahoogroups.com
From: jr6v6gt@...
Date: Sun, 7 Mar 2010 14:57:16 -0800
Subject: RE: [glowbugradio] Noisy Resistors

Hi Bill,

For "hot," why not try holding the tip of your soldering iron very close to the suspect part(s).

John
KC2UAK

--- On Sun, 3/7/10, Bill <pavalon@charter.net> wrote:
From: Bill <pavalon@...>
Subject: RE: [glowbugradio] Noisy Resistors
To: glowbugradio@yahoogroups.com
Date: Sunday, March 7, 2010, 3:34 PM

Mac - Thanks a million for the suggestion to use something really cold
or really hot.

Hot I can't do, but our local Radio store has a spray can of something
called Component Cooler. I'l let you know if it works

Bill - W0JCL (Red Wing, MN)

518. Re: [glowbugradio] Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-07 23:32:00 UTC
From: Carl
Topic: 513 Message: 518

** A hairdryer with a hose and reducer down to a useable size also works.

Carl
KM1H

I thought I suggested that in my original
hints for Bill.

I use that technique frequently on my job.

73 - Mac, K2GKK/5
OKlahoma City, OK

To: glowbugradio@yahoogroups.com
From: jr6v6gt@...
Date: Sun, 7 Mar 2010 14:57:16 -0800
Subject: RE: [glowbugradio] Noisy Resistors

Hi Bill,

For "hot," why not try holding the tip of your soldering iron very close to
the suspect part(s).

John
KC2UAK

--- On Sun, 3/7/10, Bill <pavalon@...> wrote:
From: Bill <pavalon@...>
Subject: RE: [glowbugradio] Noisy Resistors
To: glowbugradio@yahoogroups.com
Date: Sunday, March 7, 2010, 3:34 PM

Mac - Thanks a million for the suggestion to use something really cold
or really hot.

Hot I can't do, but our local Radio store has a spray can of something
called Component Cooler. I'l let you know if it works

Bill - W0JCL (Red Wing, MN)

519. RE: [glowbugradio] Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-08 00:45:46 UTC
From: John Ruccolo
Topic: 513 Message: 519

Hi Mac,

Sorry, I missed that.

I also went back and looked at Bill's original email, and he said the resistors were "buried deep," so perhaps the soldering iron idea won't work. But you could probablly get a small pencil iron in there....carefully.

JR

--- On Sun, 3/7/10, D C *Mac* Macdonald <k2gkk@...> wrote:

From: D C *Mac* Macdonald <k2gkk@hotmail.com>
Subject: RE: [glowbugradio] Noisy Resistors
To: "Glowbug Radio" <glowbugradio@yahoogroups.com>
Date: Sunday, March 7, 2010, 6:19 PM

I thought I suggested that in my original
hints for Bill.

I use that technique frequently on my job.

73 - Mac, K2GKK/5
OKlahoma City, OK

To: glowbugradio@ yahoogroups. com
From: jr6v6gt@yahoo. com
Date: Sun, 7 Mar 2010 14:57:16 -0800
Subject: RE: [glowbugradio] Noisy Resistors

Hi Bill,

For "hot," why not try holding the tip of your soldering iron very close to the suspect part(s).

John
KC2UAK

--- On Sun, 3/7/10, Bill <pavalon@charter. net> wrote:
From: Bill <pavalon@charter. net>
Subject: RE: [glowbugradio] Noisy Resistors
To: glowbugradio@ yahoogroups. com
Date: Sunday, March 7, 2010, 3:34 PM

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or really hot.

Hot I can't do, but our local Radio store has a spray can of something
called Component Cooler. I'l let you know if it works

Bill - W0JCL (Red Wing, MN)

520. Re: Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-14 04:01:04 UTC
From: Randy
Topic: 513 Message: 520

I use high impedance earphones with one side grounded and the other side going through a o.047UF 600volt capacitor and using the other end of the capacitor as a probe to listen in on the various circuits.
If your rotten resistor is in the grid circuit of some stage then it's plate will show and amplified version of the noise thus giving you a way to zero in on where it is.

Randy
KA1UNW

--- In glowbugradio@yahoogroups.com, Bill <pavalon@...> wrote:
>
> Does anyone in the 'group' know how to locate a noisy resistor. I've
> tried using a small coil on the end of a scope probe, but the results
> are not localized enough. I suppose I could bridge the resistors, but
> they arwe deep down in the chassis. I hope there is an easier way.
>
> Bill Lundberg - W0JCL
>

521. Re: Noisy Resistors

Yahoo group: glowbugradio
Date: 2010-03-17 14:30:04 UTC
From: Bill
Topic: 513 Message: 521

Thanks to all for your ideas. And especially to Randy - his idea seems to work the best for me.
I've tried using his capacitor probe idea down in the audio part of the radio and it really works.
The biggest problem was in finding some hi-Z phones. When I find the culprit, I'm going to try
bridging the part and see if I can hear anything. Thanks again guys.
Bill - W0JCL

522. Re: [glowbugradio] COMMAND SETS COWAN

Yahoo group: glowbugradio
Date: 2010-03-24 22:27:29 UTC
From: N2EY@aol.com
Topic: 467 Message: 522

In a message dated 11/23/2009 4:52:41 A.M. Eastern Standard Time,
edwinalcock@... writes:

Way back ,Cowan Publishing sold a yellow jacketed book titled " Command
Sets " .
http://www.mines.uidaho.edu/~glowbugs/arc5pages.htm
(http://www.mines.uidaho.edu/~glowbugs/arc5pages.htm)

Scroll down to "Command Sets"

But don't stop there!

The site has lots of great stuff for download, including all sorts of ARC-5
stuff.

Main page:

http://www.mines.uidaho.edu/~glowbugs/index.html
(http://www.mines.uidaho.edu/~glowbugs/index.html)

73 de Jim, N2EY

523. Zener Regulator Board

Yahoo group: glowbugradio
Date: 2010-04-02 03:25:13 UTC
From: Randy
Topic: 523 Message: 523

I needed two anti-voltage soar clamping circuits which prevent >180volts and >150volts during CW-unkey and receive periods.

To try for small size I made up these 2 PC boards 100% by hand (no ESCAD or anything) as usual.

A mini drill press (turned out be defective) was used to drill the 86 holes, lasting long enough to do that.

Using 9 volt 1 watt zeners, it will handle 30ma and be fully DOS rated.

Pics in Photo Section

524. Fw: COLLINS EQUIPMENT FOR SALE

Yahoo group: glowbugradio
Date: 2010-04-02 03:28:56 UTC
From: K0DAN
Topic: 524 Message: 524

I am posting these ads for a friend.

Pictures are available on request.

Seller prefers not to ship items, wishes local pick-up in Springfield, Missouri area.

If you have interest in any items, please contact Stan (WA0ATU), 417-267-2279, spcary@....

73,

Dan
K0DAN

==========

75A-4-$600.
This is a nice receiver with the spinner knob and all mechanical filters: 3.1kc(am&ssb), 2.1kc(ssb), 500cycle(cw). The unit is in good condition with exception of an area the size of a dime on the hinged top which needs to be touched up with black crinkle finish. Includes manual.

75S-3-$400.
This is a beautiful receiver that was working wonderfully until just the other day. I had it tipped on its side doing a little cleaning on the chassis while listening to some qso. As I turned the dial, it mechanically locked up like something fell into a gear in the tuning mechanism. It can be
rocked back and forth a few kc but for some strange reason it won't turn. It
appears to be a mechanical problem. It seems like it is something inside the
vfo box on top of the chassis that needs cleared of something (piece of solder perhaps?). Someone who is somewhat familiar with the Collins tuning mechanism and has some time, patience, and lots of mechanical aptitude can fix this without expenditure of a lot of money. Includes manual.

30L-1 amplifier-$1000.
This comes with four NEW 811A finals and three used ones as extras. Estimate
tubes at about $200 value. This amplifier is absolutely mint, has good power
output and is very nice. Includes manual. SALE PENDING.

Collins PM-2 KWM-2 piggy back power supply-$200. I haven't used this and the

paint is not 100% but it is still pretty nice. So I've priced it accordingly.

KWM-2A/312B-5 remote vfo-control/516F-2 speaker-power-supply/SM-2 mic. This equipment is very nice, and is late model round emblem with exception of the vfo which is winged. The transceiver has had some updates including B&W rejection tuning, and DX engineering speech processor. This equipment will be sold as a unit however the individual prices are as follows: KWM-2A-$1800, 312B-5-$750, 516F-2-$450, SM-2 mic-$200. Includes manuals including technical service manual.

525. Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 03:48:48 UTC
From: Randy
Topic: 525 Message: 525

Workmanship and material is becoming poorer in Chinese-made tools. This is yet another instance.

I'd bought a small drill press, to replace 3 Dremels that had failed sequentially, to let me make PC boards and do light work on aluminum chassis of a small size. Although gotten from USA via EBAY it was made in China.

The chuck went on using the sort of tapered shaft and socket that many power tools and machine tools use you press it on. It's a stick fit.
On first use it worked 100% AOK. I ran medium speed and only worked light duty, having had 3 Dremels die on me.
After some use I noticed the chuck (drill bit itself really) had a tiny wobble. I changed drill bits. No change. With more use it got worse.
I remove the chuck and re-seated it thinking I'd pressed it on poorly. No change.
Finally it got so bad I could not drill a good 1/16" hole. They were becoming 3/32 to 1/8".
Inspecting the belt and pulleys, the pulleys had rough edges so I smoothed them down (maybe the belt was hanging up causing thing to hp around).
Although much quieter, the wobbling did not change.
Finally I inspected the quill shaft and found that it was bent, made of the same metal used to make screwdriver blades for screwdrivers that cost $4.95 at Harbor Fright.

Being inside the `press I also noticed how very hot the motor was beginning to smell like a blowed-roasted transformer. Upon a quick test it shorted out.
So, like with the Dremels (similar problem ☐ one having it upon purchase) the only salvageable part was the power cord (in this case also the foot plate and the metal pipe neck).

I am becoming turned off by Chinese made tools and test equipment but I'm also turned off by the outrageously high prices of USA made versions.

526. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 04:03:26 UTC
From: Gary Pewitt
Topic: 525 Message: 526

I've found that the ones made in Taiwan are much better quality than the ones made in mainland china. "Jet" tools are usually of pretty good quality.
73 Gary N9ZSV

On 4/1/2010 10:48 PM, Randy wrote:
>
> Workmanship and material is becoming poorer in Chinese-made tools.
> This is yet another instance.
>
> I'd bought a small drill press, to replace 3 Dremels that had failed
> sequentially, to let me make PC boards and do light work on aluminum
> chassis of a small size. Although gotten from USA via EBAY it was made
> in China.
>
> The chuck went on using the sort of tapered shaft and socket that many
> power tools and machine tools use you press it on. It's a stick fit.
> On first use it worked 100% AOK. I ran medium speed and only worked
> light duty, having had 3 Dremels die on me.
> After some use I noticed the chuck (drill bit itself really) had a
> tiny wobble. I changed drill bits. No change. With more use it got worse.
> I remove the chuck and re-seated it thinking I'd pressed it on poorly.
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> Finally it got so bad I could not drill a good 1/16" hole. They were
> becoming 3/32 to 1/8".
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> smoothed them down (maybe the belt was hanging up causing thing to hp
> around).
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> Finally I inspected the quill shaft and found that it was bent, made
> of the same metal used to make screwdriver blades for screwdrivers
> that cost $4.95 at Harbor Fright.
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> Being inside the `press I also noticed how very hot the motor was
> beginning to smell like a blowed-roasted transformer. Upon a quick
> test it shorted out.
> So, like with the Dremels (similar problem -- one having it upon
> purchase) the only salvageable part was the power cord (in this case
> also the foot plate and the metal pipe neck).
>
> I am becoming turned off by Chinese made tools and test equipment but
> I'm also turned off by the outrageously high prices of USA made versions.
>
>

527. Re: An R-390A...

Yahoo group: glowbugradio
Date: 2010-04-02 04:31:16 UTC
From: Kenneth G. Gordon
Topic: 524 Message: 527

All I can say is.....!!!!!!!!!

160417472738

Ken Gordon W7EKB

528. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 04:36:53 UTC
From: Charles MacDonald
Topic: 525 Message: 528

Gary Pewitt wrote:
>
>
> I've found that the ones made in Taiwan are much better quality than the
> ones made in mainland china. "Jet" tools are usually of pretty good
> quality.

There are a few brands, but stuff made almost anywhere other than China
is what to look for, or at least something with a major retailers
warranttee.

I like to shop at local dealers like
http://www.ottawafastenersupply.com/

The KING line is often not all that bad. Jet also has a good rep.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

529. Re: [glowbugradio] Re: And an NOS HRO-W

Yahoo group: glowbugradio
Date: 2010-04-02 05:47:06 UTC
From: Kenneth G. Gordon
Topic: 524 Message: 529

Again, about all I can say is .....!!!!!!!!!

220581110759

Ken W7EKB

530. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 11:22:38 UTC
From: N2EY@aol.com
Topic: 525 Message: 530

In a message dated 4/1/2010 11:52:37 P.M. Eastern Daylight Time,
rfloberg@... writes:

I am becoming turned off by Chinese made tools and test equipment but I'm
also turned off by the outrageously high prices of USA made versions.

But are they really so outrageously high?

It takes time and know-how to make a quality product. It also takes quality
materials. None of which comes cheap.

It's easy to look back at old prices and wonder why "they" can't make
something for what it used to cost. But in those days we all got paid a lot
less too.

For example, remember the 1967 Heath HW-16? It was a marvel of low-priced
ham radio in its day, with a receiver and transmitter in one box with power
supply for only $99.95 as a kit. Build it, add a speaker or headphones,
crystals or VFO, key and 50 ohm antenna (no wide-range pi-net) and you were
on the air! CW only, 3 HF bands only, and up to about 50 watts output.

It was an incredible bargain in its day, but adjusted for inflation that
$99.95 HW-16 cost over $600 in today's money! Add in a $10 speaker and $40
VFO, and the package price jumps to about $900 in 2010 dollars.

73 de Jim, N2EY

531. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 12:45:24 UTC
From: Jim
Topic: 525 Message: 531

And that's higher than the entry point of all three major appliance-builder's all-band mobile rigs. Appliances. Whatever.

But if there's not a willing and essentially endless source of both parts and customers, we'll likely never see a company like Heathkit again.

Although -- we still have buggy-whip manufacturers as well as crystal-set manufacturers, so we'll always have radio kits.

Jim N6OTQ

>
>From: "N2EY@..." <N2EY@...>
>
>For example, remember the 1967 Heath HW-16? It was a marvel
>of low-priced ham radio in its day, with a receiver and transmitter in one box
>with power supply for only $99.95 as a kit. Build it, add a speaker or
>headphones, crystals or VFO, key and 50 ohm antenna (no
>wide-range pi-net) and you were on the air! CW only, 3 HF bands only,
>and up to about 50 watts output.
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>It was an incredible bargain in its day, but adjusted for inflation that
>$99.95 HW-16 cost over $600 in today's money! Add in a $10 speaker and $40
>VFO, and the package price jumps to about $900 in 2010 dollars.
>
>73 de Jim, N2EY >

532. Re: [glowbugradio] Re: And an NOS HRO-W

Yahoo group: glowbugradio
Date: 2010-04-02 12:54:30 UTC
From: Carl
Topic: 524 Message: 532

Same guy selling both, just different ID's

Carl

Again, about all I can say is .....!!!!!!!!!

220581110759

Ken W7EKB

533. RE: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 14:03:18 UTC
From: Randall Floberg
Topic: 525 Message: 533

Yes a Taiwan has learned like Japan that it pays to build them of good quality material. I'll have to find out where they have an outlet.

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Charles MacDonald
Sent: Friday, April 02, 2010 12:37 AM
To: glowbugradio@yahoogroups.com
Cc: Randy
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

Gary Pewitt wrote:
>
>
> I've found that the ones made in Taiwan are much better quality than the
> ones made in mainland china. "Jet" tools are usually of pretty good
> quality.

There are a few brands, but stuff made almost anywhere other than China is what to look for, or at least something with a major retailers warranttee.

I like to shop at local dealers like
http://www.ottawafastenersupply.com/

The KING line is often not all that bad. Jet also has a good rep.

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Charles MacDonald Stittsville Ontario
cmacd@... <mailto:cmacd%40zeusprune.ca> Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.800 / Virus Database: 271.1.1/2780 - Release Date: 04/01/10 14:32:00

534. RE: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 14:06:51 UTC
From: Randall Floberg
Topic: 525 Message: 534

I have a big floor standing drill press that can rip an engine block apart if you are not careful that's made by King so I agree with you that is a better one but there a tiny mistolerance is drowned out by the big size.

However it is way too big to drag upstairs to drill 1/16" holes in PC boards.

BTW, to see what wore out this little drill, go look at the zener diode boards I made. HA! Only cost me $75 each.

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Charles MacDonald
Sent: Friday, April 02, 2010 12:37 AM
To: glowbugradio@yahoogroups.com
Cc: Randy
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

Gary Pewitt wrote:
>
>
> I've found that the ones made in Taiwan are much better quality than the
> ones made in mainland china. "Jet" tools are usually of pretty good
> quality.

There are a few brands, but stuff made almost anywhere other than China is what to look for, or at least something with a major retailers warranttee.

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--
Charles MacDonald Stittsville Ontario
cmacd@... <mailto:cmacd%40zeusprune.ca> Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.800 / Virus Database: 271.1.1/2780 - Release Date: 04/01/10 14:32:00

535. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 14:08:26 UTC
From: Jim
Topic: 525 Message: 535

Since this was for drilling PCBs, I have to ask whether the appropriate bit was used, whether the spindle speed was appropriate for the task, and whether the drill press was "crowded" to overcome deficiencies in the first two parameters. And -- what was the PCB material?

A steel drill bit at 300 RPM used on fiberglas PCB is gonna mess up everything.

Jim N6OTQ

>
>
>

536. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 14:08:51 UTC
From: N2EY@aol.com
Topic: 525 Message: 536

-----Original Message-----
From: Jim n6otq@...

>But if there's not a willing and essentially endless source of both parts and customers, we'll likely never see a >company like Heathkit again.

Not exactly like Heathkit.

Heathkit was built on two factors:

1) The use of low-cost surplus parts, particularly tubes, to get the kit-electronics concept rolling in the late 1940s and early 1950s. Once the company was big enough, they could get new parts for cheap because of the volume.

2) In the days of point-to-point wiring, and even into the PC board era with manual construction, a significant part of the cost of electronic stuff was the assembly/testing/alignment labor and facilities. Kits replaced all that with the unpaid labor and facilities of the buyer.

What really killed Heathkit was that the cost differences of 2) went away. As electronics grew more complex, it became more costly to design electronics that could be home-assembled by untrained workers - and to produce the manuals. At the same time, the assembly/testing/alignment costs were going down as electronics manufacturing became more automated - and moved "offshore".

Now we've come full circle, with companies like Elecraft.

73 de Jim, N2EY

537. RE: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 14:08:53 UTC
From: Randall Floberg
Topic: 525 Message: 537

I have an HW-12 so I know what you mean.

But $700 for miniature drill press is a bit much. I seem to be finding only the extremes.

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of N2EY@...
Sent: Friday, April 02, 2010 7:23 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

In a message dated 4/1/2010 11:52:37 P.M. Eastern Daylight Time, rfloberg@... writes:

I am becoming turned off by Chinese made tools and test equipment but I'm also turned off by the outrageously high prices of USA made versions.

But are they really so outrageously high?

It takes time and know-how to make a quality product. It also takes quality materials. None of which comes cheap.

It's easy to look back at old prices and wonder why "they" can't make something for what it used to cost. But in those days we all got paid a lot less too.

For example, remember the 1967 Heath HW-16? It was a marvel of low-priced ham radio in its day, with a receiver and transmitter in one box with power supply for only $99.95 as a kit. Build it, add a speaker or headphones, crystals or VFO, key and 50 ohm antenna (no wide-range pi-net) and you were on the air! CW only, 3 HF bands only, and up to about 50 watts output.

It was an incredible bargain in its day, but adjusted for inflation that $99.95 HW-16 cost over $600 in today's money! Add in a $10 speaker and $40 VFO, and the package price jumps to about $900 in 2010 dollars.

73 de Jim, N2EY

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.800 / Virus Database: 271.1.1/2780 - Release Date: 04/01/10 14:32:00

538. RE: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 14:10:19 UTC
From: Randall Floberg
Topic: 525 Message: 538

That's why I build my own stuff from scratch.

Randy KA1UNW

Life is Uncertain,

Eat Dessert First.

<http://groups.yahoo.com/group/niteshift/>
http://groups.yahoo.com/group/niteshift/

<http://pages.cthome.net/okmunwurx> http://pages.cthome.net/okmunwurx

<http://www.qsl.net/ka1unw> http://www.qsl.net/ka1unw

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Jim
Sent: Friday, April 02, 2010 8:45 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

And that's higher than the entry point of all three major appliance-builder's all-band mobile rigs. Appliances. Whatever.

But if there's not a willing and essentially endless source of both parts and customers, we'll likely never see a company like Heathkit again.

Although -- we still have buggy-whip manufacturers as well as crystal-set manufacturers, so we'll always have radio kits.

Jim N6OTQ

From: "N2EY@..." <N2EY@...>

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73 de Jim, N2EY

No virus found in this incoming message.
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Version: 9.0.800 / Virus Database: 271.1.1/2780 - Release Date: 04/02/10

02:32:00

539. RE: [glowbugradio] Re: An R-390A...

Yahoo group: glowbugradio
Date: 2010-04-02 14:27:51 UTC
From: D C *Mac* Macdonald
Topic: 524 Message: 539

Sure shows that some folks have more money than smarts!

Mac, K2GKK
Oklahoma City

> To: glowbugradio@yahoogroups.com
> From: kgordon2006@...
> Date: Thu, 1 Apr 2010 21:31:16 -0700
> Subject: [glowbugradio] Re: An R-390A...
>
>
> All I can say is.....!!!!!!!!!
>
> 160417472738
>
> Ken Gordon W7EKB

540. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 14:47:32 UTC
From: Carl
Topic: 525 Message: 540

Ive found over the years that Chinese tools have the same quality range as US. From great to horrible.

Ive purchased a wide range of Chinese automotive and shop tools and after some initial disasters Ive had very good luck. I couldnt afford the same in a quality US BUILT brand.

A friend broke his very expensive Snap-On 3/4" drive 1 7/8" socket on his dump truck. He borrowed mine, put on a breaker bar + cheater and it did the job. He was very impressed.

And there are several US frauds; major companies importing from China with no disclosure or markings except their brand. Apparently Customs gets paid well to overlook.

One thing Ive not found from China is a good MIG or TIG welder, mine are Miller.....Ive heard rumors they have an economy line now from China.

Another is a compressor. Ive built mine using US motors, pumps that Ive rebuilt, and new surplus tanks. Those are 3 and 5 hp 2 stage.

Carl
KM1H

I have a big floor standing drill press that can rip an engine block apart if you are not careful that's made by King so I agree with you that is a better one but there a tiny mistolerance is drowned out by the big size. However it is way too big to drag upstairs to drill 1/16" holes in PC boards.
BTW, to see what wore out this little drill, go look at the zener diode boards I made. HA! Only cost me $75 each.

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Charles MacDonald
Sent: Friday, April 02, 2010 12:37 AM
To: glowbugradio@yahoogroups.com
Cc: Randy
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

Gary Pewitt wrote:
>
>
> I've found that the ones made in Taiwan are much better quality than the
> ones made in mainland china. "Jet" tools are usually of pretty good
> quality.

There are a few brands, but stuff made almost anywhere other than China is what to look for, or at least something with a major retailers warranttee.

I like to shop at local dealers like
http://www.ottawafastenersupply.com/

The KING line is often not all that bad. Jet also has a good rep.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.
No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.800 / Virus Database: 271.1.1/2780 - Release Date: 04/01/10 14:32:00

541. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-02 18:34:16 UTC
From: Kenneth G. Gordon
Topic: 525 Message: 541

Hello again, Jim.

Nice to see you.

vy 73,

Ken W7EKB

542. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 00:46:16 UTC
From: Randy
Topic: 525 Message: 542

Amen. $650 2010 dollars will do things $100K could never do in 1965, and
that's not including the electric bill, with or
without AC to remove the heat. The ironic thing about Heath was that, a
ham could build a rig on the cheap. But, if
you wanted to build a TV, it cost much, much more than the same, working
unit at retail. A lot of logistics when you
take things off the assembly line and put all the parts into little bags.

Heath also had the nasty habit of buying obsolete components by the
boxcar for cheap, and then designing the circuit
around them. There's still Heath amps out there, that a new amp would be
cheaper than a replacement tube.
73,
Randy
KZ4RV

Jim wrote:
>
> And that's higher than the entry point of all three major
> appliance-builder's all-band mobile rigs. Appliances. Whatever.
>
> But if there's not a willing and essentially endless source of both
> parts and customers, we'll likely never see a company like Heathkit again.
>
> Although -- we still have buggy-whip manufacturers as well as
> crystal-set manufacturers, so we'll always have radio kits.
>
> Jim N6OTQ
>
>
> *From:* "N2EY@..." <N2EY@...>
>
> For example, remember the 1967 Heath HW-16? It was a marvel of
> low-priced ham radio in its day, with a receiver and transmitter
> in one box with power supply for only $99.95 as a kit. Build it,
> add a speaker or headphones, crystals or VFO, key and 50 ohm
> antenna (no wide-range pi-net) and you were on the air! CW only, 3
> HF bands only, and up to about 50 watts output.
>
> It was an incredible bargain in its day, but adjusted for
> inflation that $99.95 HW-16 cost over $600 in today's money! Add
> in a $10 speaker and $40 VFO, and the package price jumps to about
> $900 in 2010 dollars.
>
> 73 de Jim, N2EY

>
>
>

543. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 01:12:59 UTC
From: Charles MacDonald
Topic: 525 Message: 543

Randy wrote:

> Heath also had the nasty habit of buying obsolete components by the
> boxcar for cheap, and then designing the circuit
> around them. There's still Heath amps out there, that a new amp would be
> cheaper than a replacement tube.

OF course that may have been "data sheet engineering" where someone gives them a data sheet with a sample circuit and they build a tube in, only to find that it did not catch on and so is expensive because it is rare.

Lots of amps used the RCA 6973 which is almost unavailable now (only a couple of makers second sourced it) where if they had have selected the "foreign" EL84/6BQ5, replacements would be plentiful up to the present day, thanks to folks in Serbia and Russia.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

544. RE: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 04:37:25 UTC
From: Randall Floberg
Topic: 525 Message: 544

For some time the Chinese items I☐ve gotten have been good but I☐ve been noticing some degradation in the past 1 ☐ ½ years.

☐broke the drive socket☐ ☐ you mean the part that fits on the nit or the handle with the ratchet?

If the ratchet, it is not uncommon. They even say to use a breaker bar to insist that a nut turns, =then= use the ratchet.

If it was the actual socket oh my well a nut of 1 7/8☐ is large, needs =lots= of torque and I gather that the sockets wall thickness was ☐thin☐.

Still if it was good metal, it should not have cracked.

As for China I don☐t know what kind of metal they use. If it is that recycled stuff then it has EVERYTHING in it. Iron, steel, brass, aluminum, copper, tin, zinc and it is not uniform.

The stuff is ok to make the frame work for VCRs and computers but not for drive shafts and gears.

I don☐t know if metal can be fractionally distilled like crude oil to get the individual metals back out, but that is what is needed.

Miller is a good company still.

I don☐t think Customs is paid to look away ☐ they just cannot check each and every cargo-tainer fully from front to back.

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Friday, April 02, 2010 10:48 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

Ive found over the years that Chinese tools have the same quality range as US. From great to horrible.

Ive purchased a wide range of Chinese automotive and shop tools and after some initial disasters Ive had very good luck. I couldnt afford the same in a quality US BUILT brand.

A friend broke his very expensive Snap-On 3/4" drive 1 7/8" socket on his dump truck. He borrowed mine, put on a breaker bar + cheater and it did the job. He was very impressed.

And there are several US frauds; major companies importing from China with no disclosure or markings except their brand. Apparently Customs gets paid

well to overlook.

One thing Ive not found from China is a good MIG or TIG welder, mine are Miller.....Ive heard rumors they have an economy line now from China.

Another is a compressor. Ive built mine using US motors, pumps that Ive rebuilt, and new surplus tanks. Those are 3 and 5 hp 2 stage.

Carl
KM1H

.

<http://geo.yahoo.com/serv?s=97359714/grpId=22438280/grpspId=1705063108/msgId=540/stime=1270219661/nc1=4025291/nc2=5741393/nc3=5522133>

545. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 13:21:18 UTC
From: Carl
Topic: 525 Message: 545

For some time the Chinese items I've gotten have been good but I've been noticing some degradation in the past 1 - ? years.

** Many factories were owned by the Japs and when the cost of materials, labor, and shipping rose and then the economy tanked they folded the tents and went home as happy millionaires. Right now the Chinese are attempting to eliminate the companies that are giving them a bad name and causing great loss of face....thats important to them. You will see more and more ISO certified.

"broke the drive socket" - you mean the part that fits on the nit or the handle with the ratchet?
If the ratchet, it is not uncommon. They even say to use a breaker bar to insist that a nut turns, =then= use the ratchet.
If it was the actual socket. oh my. well a nut of 1 7/8" is large, needs =lots= of torque and I gather that the sockets wall thickness was "thin". Still if it was good metal, it should not have cracked.

** I said socket. I dont know about all of Snap-Ons sources but a friend who owns a franchise says many of their smaller items and replacement ratchets are from China. They arent marked that way and higher ups deny it.

As for China I don't know what kind of metal they use. If it is that recycled stuff then it has EVERYTHING in it. Iron, steel, brass, aluminum, copper, tin, zinc and it is not uniform.
The stuff is ok to make the frame work for VCRs and computers but not for drive shafts and gears.
I don't know if metal can be fractionally distilled like crude oil to get the individual metals back out, but that is what is needed.

** Its a no brainer to remove most of the impurities. Casting has been a problem with many Chinese items. The low quality companies are using stone age sand castings and when they break you can see the large amount of sand in them. Ive also had low grade steel items such as engine stands bend with only half of the rated load.

Miller is a good company still.

I don't think Customs is paid to look away - they just cannot check each and every cargo-tainer fully from front to back.

** About 8-10 years ago 3 containers of freight arrived on the East Coast from China and were delivered to the wrong company. Upon opening they found it was all tools with the name of a major retail store. The end result was the actual designee walked away after getting a non disclosure agreement. For many years these tools were found on Ebay and elsewhere at deep discounts.

** GM is having a huge success with the Buick in China. The materials are mostly locally sourced and the build quality is excellent.

** One day this country will wake up and find that China quality has eclipsed ours. They dont have corrupt unions, and drugged workers, nor a government that impedes every move.....yet.

Carl
KM1H

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Friday, April 02, 2010 10:48 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

Ive found over the years that Chinese tools have the same quality range as US. From great to horrible.

Ive purchased a wide range of Chinese automotive and shop tools and after some initial disasters Ive had very good luck. I couldnt afford the same in a quality US BUILT brand.

A friend broke his very expensive Snap-On 3/4" drive 1 7/8" socket on his dump truck. He borrowed mine, put on a breaker bar + cheater and it did the job. He was very impressed.

And there are several US frauds; major companies importing from China with no disclosure or markings except their brand. Apparently Customs gets paid well to overlook.

One thing Ive not found from China is a good MIG or TIG welder, mine are Miller.....Ive heard rumors they have an economy line now from China.

Another is a compressor. Ive built mine using US motors, pumps that Ive rebuilt, and new surplus tanks. Those are 3 and 5 hp 2 stage.

Carl
KM1H

.

546. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 14:52:15 UTC
From: John Ruccolo
Topic: 525 Message: 546

Another thing that probably killed Heath -- or would have by now -- is liability insurance and lawsuits. I'm sure *somebody* must have gotten zapped building a DX-60 or DX-100 or SB-200 or whatever. Today that accidental death would result in huge lawsuits.

Don't get me wrong, I love Heathkit, but I too have noticed how they cut corners on certain components -- *especially* capacitors. You don't see many Cornell-Dubilier or Mallory or Sprague caps in Heahkits. It's always Temple or Planet (whoever they were) or other off-brands -- if the caps are marked at all.

JR

--- On Fri, 4/2/10, Charles MacDonald <aa508@...> wrote:

From: Charles MacDonald <aa508@...>
Subject: Re: [glowbugradio] Chinese Tools Getting Worse
To: glowbugradio@yahoogroups.com
Date: Friday, April 2, 2010, 9:12 PM

Randy wrote:

> Heath also had the nasty habit of buying obsolete components by the
> boxcar for cheap, and then designing the circuit
> around them. There's still Heath amps out there, that a new amp would be
> cheaper than a replacement tube.

OF course that may have been "data sheet engineering" where someone gives them a data sheet with a sample circuit and they build a tube in, only to find that it did not catch on and so is expensive because it is rare.

Lots of amps used the RCA 6973 which is almost unavailable now (only a couple of makers second sourced it) where if they had have selected the "foreign" EL84/6BQ5, replacements would be plentiful up to the present day, thanks to folks in Serbia and Russia.

--
Charles MacDonald Stittsville Ontario
cmacd@zeusprune. ca Just Beyond the Fringe
http://www.TelecomO ttawa.net/ ~cmacd/
No Microsoft Products were used in sending this e-mail.

547. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 16:16:54 UTC
From: Robert Nickels
Topic: 525 Message: 547

On 4/2/2010 7:46 PM, Randy wrote:
>
> Heath also had the nasty habit of buying obsolete components by the
> boxcar for cheap, and then designing the circuit
> around them. There's still Heath amps out there, that a new amp would be
> cheaper than a replacement tube.
>

I disagree strongly with that as a blanked statement - I can only think of one example where that is the case, and that would be the SB-230, and hams have come up with clever replacements even for that one. The reason the SB-200 and SB-220 amps are still tremendously popluar decades after they were last sold is the fact that they were well designed, used quality components, and are still highly serviceable. I'm also of the opinion that Heath stopped using "obsolete" (actually "surplus" would be a better description) components sometime before 1960 or so. Heath was quite vertically-integrated and fabricated many of it's own components to custom specifications.

I recently was pleasantly surprised when repairing an AR-1515 stereo receiver where one channel had experienced a substantial meltdown of solid-state devices. The output transtors were MJ802s, around $3 each, the driver was a TIP-30 (45 cents) and the other transistor I needed was a dime. All were available from Mouser within two days. Compare that with the unobtainium ICs and hybrid amplifier modules used by many of the "name brand" receivers and you'll see why Heathkit gear still commands a loyal following.

73, Bob W9RAN

548. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 17:25:50 UTC
From: N2EY@aol.com
Topic: 525 Message: 548

In a message dated 4/3/2010 10:52:24 A.M. Eastern Daylight Time,
jr6v6gt@... writes:

Another thing that probably killed Heath -- or would have by now -- is liability insurance and lawsuits. I'm sure *somebody* must have gotten zapped building a DX-60 or DX-100 or SB-200 or whatever. Today that accidental death would result in huge lawsuits.

I don't think so, as long as the design was up to current standards and there were warnings posted.

There are still companies making tube-type linear amplifiers for the ham market. IIRC, many of them are shipped without the tubes installed (so they don't get busted in transit). Most also have the option of running on either 120 or 240 volt power, which involves changing the line cord/plug, internal connections and fuses.

Of course a DX-60 or DX-100 would require some changes to meet modern standards (3 wire cord, for example) but that's about it.

Don't get me wrong, I love Heathkit, but I too have noticed how they cut corners on certain components -- *especially* capacitors. You don't see many Cornell-Dubilier or Mallory or Sprague caps in Heahkits. It's always Temple or Planet (whoever they were) or other off-brands -- if the caps are marked at all.

Their accounting looked at every penny of a kit's cost, and some things were right at the line. Study the power supply of the HW-16 and you'll see the capacitors are worked right at max voltage - no headroom at all. During warmup, or with high line voltage, they're probably beyond rating.

Another Heathkit trick that is the bane of restorers was to use custom transformers in the power supply section. They could do this because they were such a big customer that the transformer makers didn't charge more for a custom design. I suspect this was done at least in part so that hams wouldn't be able to easily copy the designs and make homebrew versions. Another reason was that if a power transformer burned out, you had to go to Heath, or a junked rig of the same model, to get a replacement.

But the biggest reason was to keep cost down. Heath could only compete by being low-cost, and they didn't have assembly labor cost as part of the package.

For example, compare the Heathkit DX-20 and the EFJ Adventurer. Both are 50 watt (input) MOPA kits meant for the Novice market of the mid-to-late 1950s. Both used built-in 5U4 power supplies, pi-network output and cheap moving-iron meters.

The DX-20 was $35.95 while the Adventurer was $54.95. That $19 was a lot of money back-when. The Adventurer is actually smaller and to many was probably less impressive-looking than the DX-20. It's only when you get inside that the differences become apparent. Heath knew what they had to beat.

Or compare the DX-100 to the Viking 2/122 combo. It's clear that the Viking was the inspiration for the DX-100, but Heath managed to cut the price.

The power transformers in DX-35s and DX-40s have a reputation for failure that makes the whole rig a basket case unless major mods are done.

73 de Jim, N2EY

549. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 17:29:15 UTC
From: Kenneth G. Gordon
Topic: 525 Message: 549

On 3 Apr 2010 at 7:52, John Ruccolo wrote:

> Don't get me wrong, I love Heathkit, but I too have noticedhow they cut corners on certain
> components -- *especially* capacitors. You don't see many Cornell-Dubilier or Mallory or Sprague
> caps in Heahkits. It's always Temple or Planet (whoever they were)

Although I don't know who the actual maker of the "Planet" brand caps was, in point of fact, I have found very few of those which were ever bad. Those "bad" ones I have found had been severely abused....like being left out in the rain for years.

A recent article in ER mentioned the same.

Also, in an SB-200 I bought some time ago in which the caps were original from the 1960s, all were still good. I was amazed.

Ken W7EKB

550. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 18:13:53 UTC
From: Jim
Topic: 525 Message: 550

Actually, the Heath Parasol was made 100% from surplus.

But that's comparing apples and oranges, or perhaps more appropriately, apples and airplanes.

Jim N6OTQ

PS -- 99% of everything I do in radio is from "surplus" -- stuff that didn't come from a distributor or retailer. An individual like me bought it first. Same with cars, except for fluids, brake pads, and welding rods. Oh, and digital-car sensor modules.

----- Original Message ----
> From: Robert Nickels <w9ran@...>
>
> On 4/2/2010 7:46 PM, Randy wrote:
>
> Heath also had the nasty habit
> of buying obsolete components by the
> boxcar for cheap, and then
> designing the circuit
> around them. There's still Heath amps out there,
> that a new amp would be
> cheaper than a replacement
> tube.
>

I disagree strongly with that as a blanked statement - I
> can only think
of one example where that is the case, and that would be the
> SB-230, and
hams have come up with clever replacements even for that
> one.

551. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 18:23:21 UTC
From: Carl
Topic: 525 Message: 551

How about changing the subject line to Heathkit rant or something similar.

Carl
KM1H

----- Original Message -----
From: Robert Nickels
To: glowbugradio@yahoogroups.com
Cc: Randy
Sent: Saturday, April 03, 2010 12:16 PM
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

On 4/2/2010 7:46 PM, Randy wrote:
>
> Heath also had the nasty habit of buying obsolete components by the
> boxcar for cheap, and then designing the circuit
> around them. There's still Heath amps out there, that a new amp would be
> cheaper than a replacement tube.
>

I disagree strongly with that as a blanked statement - I can only think of one example where that is the case, and that would be the SB-230, and hams have come up with clever replacements even for that one. The reason the SB-200 and SB-220 amps are still tremendously popluar decades after they were last sold is the fact that they were well designed, used quality components, and are still highly serviceable. I'm also of the opinion that Heath stopped using "obsolete" (actually "surplus" would be a better description) components sometime before 1960 or so. Heath was quite vertically-integrated and fabricated many of it's own components to custom specifications.

I recently was pleasantly surprised when repairing an AR-1515 stereo receiver where one channel had experienced a substantial meltdown of solid-state devices. The output transtors were MJ802s, around $3 each, the driver was a TIP-30 (45 cents) and the other transistor I needed was a dime. All were available from Mouser within two days. Compare that with the unobtainium ICs and hybrid amplifier modules used by many of the "name brand" receivers and you'll see why Heathkit gear still commands a loyal following.

73, Bob W9RAN

552. Heathkit Rant or Something Similar

Yahoo group: glowbugradio
Date: 2010-04-03 18:26:01 UTC
From: N2EY@aol.com
Topic: 552 Message: 552

In a message dated 4/3/2010 2:14:01 P.M. Eastern Daylight Time,
n6otq@... writes:

99% of everything I do in radio is from "surplus" -- stuff that didn't
come from a distributor or retailer. An individual like me bought it first.
I'm pretty much the same way, with both radio and computers. Only buy new
what cannot be had used.

73 de Jim, N2EY

553. Re: [glowbugradio] Heathkit rant or something similar...

Yahoo group: glowbugradio
Date: 2010-04-03 19:22:24 UTC
From: Kenneth G. Gordon
Topic: 525 Message: 553

On 3 Apr 2010 at 14:23, Carl wrote:

>
>
> How about changing the subject line to Heathkit rant or something
> similar.

Good idea... :-)

Ken W7EKB

554. Re: [glowbugradio] Heathkit rant or something similar...

Yahoo group: glowbugradio
Date: 2010-04-03 19:24:14 UTC
From: Kenneth G. Gordon
Topic: 525 Message: 554

On 3 Apr 2010 at 11:13, Jim wrote:

> PS -- 99% of everything I do in radio is from "surplus" -- stuff that
> didn't come from a distributor or retailer. An individual like me
> bought it first. Same with cars, except for fluids, brake pads, and
> welding rods. Oh, and digital-car sensor modules.

Same here. Can't afford otherwise. Besides, it's more
"fun"...

Ken W7EKB

555. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 19:34:44 UTC
From: Kenneth G. Gordon
Topic: 525 Message: 555

On 3 Apr 2010 at 13:25, N2EY@... wrote:

> Another Heathkit trick that is the bane of restorers was to use custom
> transformers in the power supply section. They could do this because
> they were such a big customer that the transformer makers didn't
> charge more for a custom design. I suspect this was done at least in
> part so that hams wouldn't be able to easily copy the designs and make
> homebrew versions. Another reason was that if a power transformer
> burned out,you had to go to Heath, or a junked rig of the same model,
> to get a replacement.

Well, that is not NECESSARILY true: I have had to replace Heathkit's special power transformers in several pieces of their gear over the past 60-plus years.

One of my first such was the DX-35. I lost two power transformers in my 1956 DX-35 within two years. I finally replaced it with a really heavy job out of a console TV set, solid-stated the rectifier, used that "Economy Power Supply" configuration, and did away with that really STUPID "...put the oscillator and buffer in series across the full +HV line..." idea of theirs, and then used it for years as my main station transmitter, even for RTTY.

In the case of the C-3 cap checker, I fixed THAT one also with two commonly available transformers, one from Radio Shack. I wrote this up in ER some time ago.

> The power transformers in DX-35s and DX-40s have a reputation for
> failure that makes the whole rig a basket case unless major mods are
> done.

Well, Jim, I don't know that I would call them "major". After all, I was a completely-wet-behind-the-ears new Conditional Class licensee when I fixed my DX-35, and didn't ask my Elmer, W7CJB, for help either.

Yes. The power transformer in the DX-35 is running "Red Lined" even when the rig is turned on and in standby. That in the DX-40 is only marginally better.

Ken W7EKB

556. Heathkit: good news and bad news

Yahoo group: glowbugradio
Date: 2010-04-03 23:14:48 UTC
From: John Ruccolo
Topic: 525 Message: 556

"The power transformers in DX-35s and DX-40s have a reputation for failure that makes the whole rig a basket case unless major mods are done."

Yep! I have very unpleasant youthful memories of a DX-35. As soon as I switched from standby to operate, the smoking began.

I wonder if those "potted" Stancor xformers were part of the problem? It seems they retain more heat, which makes things worse -- especially when the xformer is being stressed to begin with.

73,

John, KC2UAK

557. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 23:35:56 UTC
From: Charles MacDonald
Topic: 525 Message: 557

Carl wrote:
> Right now the Chinese are attempting to
> eliminate the companies that are giving them a bad name and causing great
> loss of face....thats important to them. You will see more and more ISO
> certified.

One of the reasons that we think of Japanese product as being of high quality, is that the Gov't of Japan instituted inspection systems for exports to ensure that only high quality goods were sold to major markets like North America. That in turn encouraged to the of statistical QC as taught by Deming of Western Electric. The result was that goods quickly become much better than the standards required.

I don't think China has the Governmental capacity to run such a program, they can't even manage to keep plastic powder out of their DOMESTIC milk supply.

> ** I said socket. I dont know about all of Snap-Ons sources but a friend who
> owns a franchise says many of their smaller items and replacement ratchets
> are from China. They arent marked that way and higher ups deny it.

Many of the socket wrenches sold in North America are made by Stanley works, no mater what brand they are sold by. If they are selling imported products in the USA, they are required to mark the country of origin if something like 50% of the value is not added in the USA. Here in Canada they just have to say who is the distributor on the package.

I wonder if the bulk packages have the country of origin on them?

> As for China I don't know what kind of metal they use. If it is that
> recycled stuff then it has EVERYTHING in it. Iron, steel, brass, aluminum,
> copper, tin, zinc and it is not uniform.

> I don't know if metal can be fractionally distilled like crude oil to get
> the individual metals back out, but that is what is needed.

The art of steel making - or indeed all metal production is to use various methods to make the required alloy. If a tool is designed, the designer SHOULD specify the alloy required, which generally means lots of Chromium and vanadium is added. They can be checked with a (distructive) lab test before a shipment is accepted, and I am sure that major brand firms like Snap on, home depot (Huskey) etc would do this.

> ** Its a no brainer to remove most of the impurities. Casting has been a
> problem with many Chinese items. The low quality companies are using stone
> age sand castings and when they break you can see the large amount of sand
> in them.

Sand Casting is a valid technique to make many Steel and Aluminium
items. I have been on tours of local factorys many years ago and
watched as crankcases for Chain saws were sand cast 10 at a time. There
is a test to see if any sand is retained in the casting, which should of
course reject the part. That same factory tour had a corner where a
gaylord box of the same castings were being check by an employee, after
they were returned by the customer (outboard marine) with problems found
during the machining process were marked. The customer got a credit for
the defectives which were cut up with a band saw, and re-melted.

> Upon opening they found
> it was all tools with the name of a major retail store. The end result was
> the actual designee walked away after getting a non disclosure agreement.
> For many years these tools were found on Ebay and elsewhere at deep
> discounts.

I think that this is the REAL Problem. would guess that those parts
were not "found" but were made with the brand name to help sell them
off. That is called counterfit goods and is a major problem - Phoney
Aircraft parts that did not meet specs being sold with fake papers for
example.
>
> ** One day this country will wake up and find that China quality has
> eclipsed ours. They dont have corrupt unions, and drugged workers, nor a
> government that impedes every move.....yet.

Their Government is corrupt enough that bribes get stuff passed that
should be send back for re-work/scrap. The customer is the only party
who can enforce quality. Some importers do audit their suppliers to
ensure that products meet the required standards both legal and
reputable. Counterfeit junk has as many short-cuts as possible.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

558. Planet Caps was Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 23:46:01 UTC
From: Charles MacDonald
Topic: 525 Message: 558

John Ruccolo wrote:

> Don't get me wrong, I love Heathkit, but I too have noticed how they cut
> corners on certain components -- *especially* capacitors. You don't see
> many Cornell-Dubilier or Mallory or Sprague caps in Heahkits. It's
> always Temple or Planet (whoever they were) or other off-brands -- if
> the caps are marked at all.

At the volume Heath did, I would guess that they would be able to tender
even small items like Caps. I certainly recall seeing advertisments
in old electronics magazines for "planet" caps and have seen them in
some of my projectors, so I believe that they were a medium sized supplier.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

559. Re: Planet Caps was Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-03 23:50:13 UTC
From: Ken
Topic: 525 Message: 559

Oh no! Another Quality Professional !!!

(Takes one to know one...LoL !)

Ken
N4zed

----- Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com
Sent: Saturday, April 03, 2010 7:46 PM
Subject: Planet Caps was Re: [glowbugradio] Chinese Tools Getting Worse

John Ruccolo wrote:

> Don't get me wrong, I love Heathkit, but I too have noticed how they cut
> corners on certain components -- *especially* capacitors. You don't see
> many Cornell-Dubilier or Mallory or Sprague caps in Heahkits. It's
> always Temple or Planet (whoever they were) or other off-brands -- if
> the caps are marked at all.

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some of my projectors, so I believe that they were a medium sized supplier.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

560. Re: [glowbugradio] Heathkit: DX-35...

Yahoo group: glowbugradio
Date: 2010-04-03 23:56:03 UTC
From: Kenneth G. Gordon
Topic: 525 Message: 560

On 3 Apr 2010 at 16:14, John Ruccolo wrote:

> "The power transformers in DX-35s and DX-40s have a reputation for
> failure that makes the whole rig a basket case unless major mods are
> done."
>
> Yep! I have very unpleasant youthful memories of a DX-35. As soon as I
> switched from standby to operate, the smoking began.

In my case, I came home from school, having left the DX-
35 on, and on Standby, to find the entire basement shack
full of that burning tar smell, and the pilot light and filaments
dark.

Lucky I didn't burn the house down...although that would
have been difficult in an all-concrete basement.

> I wonder if those "potted" Stancor xformers were part of the problem?
> It seems theyretain moreheat, which makes things worse -- especially
> when the xformer is being stressed to begin with.

Could be. However, in the DX-35's case, the transformer
was just plain overloaded from the git go.

I remember Heath's advertisment about it, "No power-
wasting dropping resistors..."

Yeah. Right.

I suspect that if they had added even another 1 watt of
constant load, the transformer would have let its magic
smoke out before the tubes fully warmed up.

My console-TV power-transformer sure fixed mine though,
although I had to mount the transformer on its side, and
had to remove the 5U4 to get enough room.

At least the Heathkit-supplied choke was OK.

Ken Gordon W7EKB

561. Re: [glowbugradio] Re: An R-390A...

Yahoo group: glowbugradio
Date: 2010-04-04 00:03:06 UTC
From: Tom Norris
Topic: 524 Message: 561

Yep. But, the seller is not BS'in when he says it's new in the box.
It was gotten back when there were still brand new EAC units being
sold by various places. This radio was the subject of a fairly long
discussion on one of the boatanchors lists a couple weeks ago.

Of *course* the seller had to add the holy word "Collins" to
the listing, else no one would bid. hahahaha

Tom

On Apr 1, 2010, at 11:31 PM, Kenneth G. Gordon wrote:

>
> All I can say is.....!!!!!!!!!
>
> 160417472738
>
>
>
> Ken Gordon W7EKB
>
>

562. Re: Planet Caps was Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 00:05:56 UTC
From: Charles MacDonald
Topic: 525 Message: 562

Ken wrote:
>
>
> Oh no! Another Quality Professional !!!
>
> (Takes one to know one...LoL !)

Retired public servant, although I did a fair amount of procurement over
the years.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

563. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 00:19:27 UTC
From: Jim
Topic: 525 Message: 563

Major snippage here.

----- Original Message ----
> From: Charles MacDonald <aa508@...>

One of the reasons that we think of Japanese
> product as being of high
quality, is that the Gov't of Japan instituted
> inspection systems for
exports to ensure that only high quality goods were
> sold to major
markets

I've been in high-tech for a couple of decades, and my work has primarily involved documentation of this or that.

Since the 90s, I have seen any number of "quality" initiatives come and go, and as many "quality" standards go the same way.

What you must realize -- this is IMPERATIVE -- all these standards and initiatives come down to one reality.

The concept "QUALITY" has nothing to do with how good or bad something is. All it means under these multitudinous "quality" systems is that if a manufacturer declares a "quality standard" for their products and their products meet that standard, then they can rightfully claim conformance to that standard, whether it be ISO9000 or Six Sigma or CMM Level 5.

If I, as a manufacturer, were to define my quality standards as "I will make 10 devices. 9 devices will meet all specifications. Device #10 will be replaced by and delivered as a steaming dog turd, in all lots shipped." If I ship a million devices and every 10th device is actually a dog turd, then I will have achieved Six Sigma (actually around device # 330,000, statistically speaking) -- just as long as every 10th device is actually a steaming dog turd.

Quality is only, and has always only ever been, a quantitative and not a qualitative measure.

Our perception of quality, obviously, is different from that reality. Tell that to the corporate bean-counters. Personally, I prefer a qualitative definition of "quality" that means if my tool breaks I get a new one, unless it was cheap enough to throw away.

Most of the tools I get at Harbor Freight are that cheap. My Snap-On tools? Well, I'm not on the Snap-On man's route. If I ever break a Snap-On tool (and I have my share) I'll track him down. Same with my "Crapsman" mechanics tools.

Funny ... I've had Crapsman and Snap-On tools for decades and except for wearing out or breaking a screwdriver, I've never collected on warranty on any of them. Penney's? Monkey

Ward's? They're out of the tool business and I can't locate any of the numerous tools I had from them, probably because they broke and I threw them away, or BETTER, I "loaned" them to my loser friends so that they could have them fail when it mattered the most.

But -- the 21st century Crapsman tools are of such low level of finish and actual low level of what we call quality that Sears has driven me to buy everything at Harbor Freight Tools. I haven't bought a Sears tool, or even replaced a Sears tool, in nearly a decade. I'd rather throw it away than get a warranty replacement.

I guess that's money in their pocket. WTFE.

Please remember that "quality" does not always mean what you think it means, and companies that claim quality -- sometimes they lie.

Jim N6OTQ

564. Re: Planet Caps was Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 00:22:23 UTC
From: Jim
Topic: 525 Message: 564

As long as you understand what "quality" signifies, and you tell your stakeholders, it's all good.

Jim N6OTQ

>
>From: Ken <n4zed@...>
>
> >
>
>
>
>
>Oh no! Another Quality Professional !!!
>
>>>

565. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 00:35:52 UTC
From: Ken
Topic: 525 Message: 565

Similar to what you were saying Jim: One definition of Quality is merely "Adherence to a standard" for good or bad. If you meet that standard you have met the quality requirements...then the market will let you know if your standard is good enough for them...Other than the cost that's another reason why much of the consumer goods are disposable in today's world. We keep buying the cheap stuff and they keep selling it. Kinda like politics...we keep voting the scoundrels in and...they keep being scoundrels and we just sit around bitching about it...LOL

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Saturday, April 03, 2010 8:19 PM
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

Major snippage here.

----- Original Message ----
> From: Charles MacDonald <aa508@...>

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> product as being of high
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Funny ... I've had Crapsman and Snap-On tools for decades and except for wearing out or breaking a screwdriver, I've never collected on warranty on any of them. Penney's? Monkey Ward's? They're out of the tool business and I can't locate any of the numerous tools I had from them, probably because they broke and I threw them away, or BETTER, I "loaned" them to my loser friends so that they could have them fail when it mattered the most.

But -- the 21st century Crapsman tools are of such low level of finish and actual low level of what we call quality that Sears has driven me to buy everything at Harbor Freight Tools. I haven't bought a Sears tool, or even replaced a Sears tool, in nearly a decade. I'd rather throw it away than get a warranty replacement.

I guess that's money in their pocket. WTFE.

Please remember that "quality" does not always mean what you think it means, and companies that claim quality -- sometimes they lie.

Jim N6OTQ

566. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 00:42:51 UTC
From: Charles MacDonald
Topic: 525 Message: 566

Jim wrote:

> The concept "QUALITY" has nothing to do with how good or bad
> something is. All it means under these multitudinous "quality"
> systems is that if a manufacturer declares a "quality standard" for
> their products and their products meet that standard, then they can
> rightfully claim conformance to that standard, whether it be ISO9000
> or Six Sigma or CMM Level 5.

Yse, and if you can read the ISO 9000 standards you will find that the required performance is mostly in documentaion of manufacturing procedures and ensure that the procedures are followed. Someone can certainly set out to make ISO9000 certified Junk. In fact since the first thing in ISO 9000 is consistancy, an effort ot produce junk should pervent making ANY good parts.

Most practical quality programs have a feedback mechanism, which depends on "customer" complaints, where the customer in some cases is the gal on the next bench on the line. The system SHOULD have a mechanism to investigate ANY rejected part, and go down to "root cause analysis". feeding back to corecting design or material problems. Toyota is learning that they have to work harder on this lately and Mr. Toyoda is not amused.

Of curse if you are a small outsource factory, you will not worry too much about improvments as you are likly to not get the contract for the next batch anyway.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
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567. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 00:47:22 UTC
From: Jim
Topic: 525 Message: 567

Ken,

I think that's intolerable, and I've been running for Congress since 2006 to change things in my neck of the woods here in Texas.

When (or IF) I finally concede defeat, I think I'll have earned my right to sit around and bitch.

All things considered -- in November, everybody NEEDS to vote against all their incumbents in every race. Unless you truly think that they have done the best job that could ever have been done for America.

Jim in Texas
N6OTQ

>
>From: Ken <n4zed@...>
>
> >
>
>
>
>
>Kinda like
>politics...we keep voting the scoundrels in and...they keep being scoundrels and
>we just sit around bitching about it...LOL
>>>

568. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 00:59:44 UTC
From: Ken
Topic: 525 Message: 568

Good for you Jim; I've got too many skeletons in my closet to run for public office...tisk, tisk.

And YES we MUST vote ALL of them out...there is too much that guy is a crook but my representitave is gold..get term limits established so they can't accumulate so much power. Vote people in that do think about following the constitution instead of running around it and about 100 other things I won't bring up on a reflector....nuf said about politics and...er..excuse me but the politicians as well...

Oh and I haven't given up just a little rant...

Now back to radios that GLOW !

Ken

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Saturday, April 03, 2010 8:47 PM
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

Ken,

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All things considered -- in November, everybody NEEDS to vote against all their incumbents in every race. Unless you truly think that they have done the best job that could ever have been done for America.

Jim in Texas
N6OTQ

From: Ken <n4zed@...>

Kinda like politics...we keep voting the scoundrels in and...they keep being scoundrels and we just sit around bitching about it...LOL

569. Re: [glowbugradio] Re: An R-390A...

Yahoo group: glowbugradio
Date: 2010-04-04 01:19:17 UTC
From: Tom Norris
Topic: 524 Message: 569

Ain't it the truth!!!

Then there are the "It must be correct by CCA standards" folks. I sold a genuine Collins 1955 contract date R-390A some years ago - it was as clean or cleaner than this one, totally to specs.
The guy tossed me a wad of bills for it, then said it was on it's way to Rick Mish to be refurbished. Strange, I thought to myself, as it's all original, modules had matching numbers, even had the Collins p/n stenciled on the front panel -- which is why he sent it to Rick: because *everyone* knows that Collins only used silkscreened panels. This had also been to the depot and had the B+ fuse added…. no doubt the fellow (an avid collector) didn't consider this to be "correct" either. IMHO, mods done by Tobyhanna Depot are about as correct as one could get.

I should talk about "matching numbers" craziness as I used to be into classic car collecting. Never could afford to get one, but the ones with "matching numbers" on the engine, transmission, etc - particularly if the previous owners included the build-out sheet, would (and still do) bring lots of dough.

Back to this radio -- isn't this the one Tom Frobase was discussing on either Milsurplus or one of the Boatanchors lists a couple weeks ago? It is indeed one of the last of commercially offered EAC "dregs" that didn't meet contract QC specs, but were instead repaired, realigned and sold as new by several dealers in the late 60's through the mid 70's. They were around $2500-3000 THEN, so this price (in 21st century dollarettes) isn't off by much if it's the real deal. I have an EAC like this as well, but the previous owner didn't keep the box and paperwork, so it's probably only worth a couple hundred dollars. heehee Have a pair of 1963 Imperials off the same contract, they are just as clean, but they're currently loaned out to WS4S of glowbugge list fame.

Congrats to the seller, though. If folks want to throw money at him, more power to him.

On Apr 2, 2010, at 9:27 AM, D C *Mac* Macdonald wrote:

>
> Sure shows that some folks have more money than smarts!
>
> Mac, K2GKK
> Oklahoma City
>
> _____
> > To: glowbugradio@yahoogroups.com
> > From: kgordon2006@...
> > Date: Thu, 1 Apr 2010 21:31:16 -0700
> > Subject: [glowbugradio] Re: An R-390A...
> >
> >
> > All I can say is.....!!!!!!!!!

> >
> > 160417472738
> >
> > Ken Gordon W7EKB
>
>

570. Glow More

Yahoo group: glowbugradio
Date: 2010-04-04 01:23:02 UTC
From: Barrie Smith
Topic: 570 Message: 570

Speaking of glow, I'd have some more glow here if I had a 10 volt CT, 20 to 25 amp, with 2500 volt insulation filament transformer.

Anyone have such a thing lying around that I could buy, or trade for?

73, Barrie, W7ALW

571. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 01:25:50 UTC
From: Carl
Topic: 525 Message: 571

> ** I said socket. I dont know about all of Snap-Ons sources but a friend
> who
> owns a franchise says many of their smaller items and replacement ratchets
> are from China. They arent marked that way and higher ups deny it.

Many of the socket wrenches sold in North America are made by Stanley
works, no mater what brand they are sold by. If they are selling
imported products in the USA, they are required to mark the country of
origin if something like 50% of the value is not added in the USA. Here
in Canada they just have to say who is the distributor on the package.

** Stanley is owned by a Chinese company.

I wonder if the bulk packages have the country of origin on them?

** On the cardboard outer shipping carton. Depending on weight there are 2
or more wrench sets for example in each inner carton. Sometimes the tool,
lets say a large box wrench, will have a stick on label. The ones Ive been
using just say China where Snap-On, or Craftsman would be. Otherwise they
are identical and of high quality, I use them regularly.

> Upon opening they found
> it was all tools with the name of a major retail store. The end result was
> the actual designee walked away after getting a non disclosure agreement.
> For many years these tools were found on Ebay and elsewhere at deep
> discounts.

I think that this is the REAL Problem. would guess that those parts
were not "found" but were made with the brand name to help sell them
off. That is called counterfit goods and is a major problem - Phoney
Aircraft parts that did not meet specs being sold with fake papers for
example.

** In this case you are 100% wrong. The consignee name began with S and the
tools with C.

** Husky also was bringing in tools without the Country Of Origin on them.
They DID get caught and paid a big fine. Probably didnt pay off Customs as
required.

** Anyone that believes the govt isnt corrupt at every level hasnt come down
from his 60's high on LSD.

** The dumbest thing they did is when some moonbat members in Congress made
it illegal for US companies to pay bribes in a foreign country to get a
contract. Bakeesh goes back to the beginning of civilization and you play by
the rules of the country you are dealing with. Not the a'holes in DC who

caused many companies to lay off thousands.

>
> ** One day this country will wake up and find that China quality has
> eclipsed ours. They dont have corrupt unions, and drugged workers, nor a
> government that impedes every move.....yet.

Their Government is corrupt enough that bribes get stuff passed that should be send back for re-work/scrap. The customer is the only party who can enforce quality. Some importers do audit their suppliers to ensure that products meet the required standards both legal and reputable. Counterfeit junk has as many short-cuts as possible.

** They also get shot for corruption.

Carl

572. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 02:32:42 UTC
From: Charles MacDonald
Topic: 525 Message: 572

Carl wrote:

>
> ** Stanley is owned by a Chinese company.
>

http://ir.stanleyblackanddecker.com/phoenix.zhtml?c=114416&p=irol-ownershipsummary

NYSE listed public company, less that 1% of the shares are owned by
enities in asia. Over 40% owned by North americans. They did recently
merge with Black and Decker.

You can see that most holders are institutions who are more concerned
with returns than with products.

There conflict guidelines are quite similar to any other large company:

http://phx.corporate-ir.net/External.File?item=UGFyZW50SUQ9MzU4NTV8Q2hpbGRJRD0tMXxUeXBlPTM
=&t=1

> Their Government is corrupt enough that bribes get stuff passed that
> should be send back for re-work/scrap. The customer is the only party
> who can enforce quality. Some importers do audit their suppliers to
> ensure that products meet the required standards both legal and
> reputable. Counterfeit junk has as many short-cuts as possible.
>
> ** They also get shot for corruption.

This has happened in a few cases where the problem was so bad that it
was affecting china's ability to export. They have the problem of a
system that is so big that it is hard to control, like trying to turn a
supertanker. I do expect that the performance will improve over time as
long as problems result in pressure.

Anyway - this is getting a "Bit" far from "Radios that Glow"...

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

573. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 02:51:01 UTC
From: Robert Nickels
Topic: 525 Message: 573

>
> ** Stanley is owned by a Chinese company.
>

For the record, StanleyBlack&Decker (NYSE: SWK) is a publicly owned US Corporation.

Interestingly, eight years after an aborted attempt to merge, Danaher and Cooper Industries just last week announced a joint venture aimed at expanding their presence in the tool market:
http://online.wsj.com/article/SB10001424052748704100604575145523875113564.html

A sister division to our well-loved Fluke and Tektronix test gear, Danaher's hand tool brands include Allen and K-D, as well as the lesser-known Danaher Tool Group, the OEM division that makes, among others, the Craftsman brand wrenches, ratchets, and sockets sold by Sears. Cooper hand tool brands include Xcelite, Crescent, Weller, Wiss, Plumb, Nicholson, and Lufkin. It will be interesting to see what happens as these two companies work together.

73, Bob W9RAN

574. Re: [glowbugradio] Re: An R-390A...

Yahoo group: glowbugradio
Date: 2010-04-04 04:41:37 UTC
From: Byron Tatum
Topic: 524 Message: 574

Some notes-
    On this particular EAC R-390A I have examined it personally at his bench. When you look closely at the gear train it is pretty convincing this radio has seen no use. Coupled with the appearance of the remainder of the set lends more credence. It is truly the nicest R-390A I have ever viewed. We discussed powering it up. Since the capacitors on IF deck should be checked / replaced we did not power it up, due to the fact that he did not want to put a screwdriver to the green-head screws, that is how new looking this unit is. Regarding the serial number discrepancy I cannot explain. Is the rear panel # supposed to be the same as the front panel? I cannot recall myself. But, keep this in mind:
        1. The Dames Co. did possess and sell NOS R-390A's.
        2. The fellow that had this R-390A had a great deal of NOS older stuff, some dating to WWII. There were a number of ARC-5's in the boxes, the HRO's in the crates, etc.
        3. I have 2 of '67 EAC R-390A IF decks that came from same place, they are NOS and unused.
                        You be the judge, but you can bet on this: You probably are not going to find a nicer R-390A anywhere else.
                                                                                Byron
WA5THJ

From: Tom Norris <fernblatt@...>
To: glowbugradio@yahoogroups.com
Sent: Sat, April 3, 2010 7:03:06 PM
Subject: Re: [glowbugradio] Re: An R-390A...

Yep. But, the seller is not BS'in when he says it's new in the box.
It was gotten back when there were still brand new EAC units being
sold by various places. This radio was the subject of a fairly long
discussion on one of the boatanchors lists a couple weeks ago.

Of *course* the seller had to add the holy word "Collins" to
the listing, else no one would bid. hahahaha

Tom

On Apr 1, 2010, at 11:31 PM, Kenneth G. Gordon wrote:

>
>
>All I can say is.....!!!!! !!!!
>
>
>160417472738
>
>
>

>
>Ken Gordon W7EKB
>
>

575. Re: [glowbugradio] Re: An R-390A...

Yahoo group: glowbugradio
Date: 2010-04-04 08:33:24 UTC
From: Ken
Topic: 524 Message: 575

http://tinyurl.com/yjdjn4o

----- Original Message -----
From: Byron Tatum
To: glowbugradio@yahoogroups.com
Sent: Sunday, April 04, 2010 12:41 AM
Subject: Re: [glowbugradio] Re: An R-390A...

Some notes-
On this particular EAC R-390A I have examined it personally at his bench. When you look closely at the gear train it is pretty convincing this radio has seen no use. Coupled with the appearance of the remainder of the set lends more credence. It is truly the nicest R-390A I have ever viewed. We discussed powering it up. Since the capacitors on IF deck should be checked / replaced we did not power it up, due to the fact that he did not want to put a screwdriver to the green-head screws, that is how new looking this unit is. Regarding the serial number discrepancy I cannot explain. Is the rear panel # supposed to be the same as the front panel? I cannot recall myself. But, keep this in mind:
1. The Dames Co. did possess and sell NOS R-390A's.
2. The fellow that had this R-390A had a great deal of NOS older stuff, some dating to WWII. There were a number of ARC-5's in the boxes, the HRO's in the crates, etc.
3. I have 2 of '67 EAC R-390A IF decks that came from same place, they are NOS and unused.
You be the judge, but you can bet on this: You probably are not going to find a nicer R-390A anywhere else.
Byron WA5THJ

From: Tom Norris <fernblatt@...>
To: glowbugradio@yahoogroups.com
Sent: Sat, April 3, 2010 7:03:06 PM
Subject: Re: [glowbugradio] Re: An R-390A...

Yep. But, the seller is not BS'in when he says it's new in the box.

It was gotten back when there were still brand new EAC units being
sold by various places. This radio was the subject of a fairly long
discussion on one of the boatanchors lists a couple weeks ago.

Of *course* the seller had to add the holy word "Collins" to
the listing, else no one would bid. hahahaha

Tom

On Apr 1, 2010, at 11:31 PM, Kenneth G. Gordon wrote:

All I can say is.....!!!!! !!!!

160417472738

Ken Gordon W7EKB

576. Re: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 13:11:27 UTC
From: Carl
Topic: 525 Message: 576

>
> ** Stanley is owned by a Chinese company.
>

For the record, StanleyBlack&Decker (NYSE: SWK) is a publicly owned US Corporation.

** Youre correct, my error. However both Stanley and B&D have Made In China on a fair # of products. Take a trip to HD and watch how the percentage increases.

Carl

577. RE: [glowbugradio] Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 16:44:35 UTC
From: D C *Mac* Macdonald
Topic: 525 Message: 577

Remember that the Yugo factory was ISO-certified!

73 - Mac, K2GKK/5
Oklahoma City, OK

* In my many years, I have come to the conclusion that one useless *
* man is a shame, two is a law firm and three or more is Congress. *

* -- John Adams (1735- 1826) *

_____
To: glowbugradio@yahoogroups.com
From: n6otq@...
Date: Sat, 3 Apr 2010 17:19:27 -0700
Subject: Re: [glowbugradio] Chinese Tools Getting Worse

Major snippage here.

----- Original Message ----
From: Charles MacDonald>

One of the reasons that we think of Japanese product as being of high
quality, is that the Gov't of Japan instituted inspection systems for
exports to ensure that only high quality goods were sold to major
markets

I've been in high-tech for a couple of decades, and my work has primarily
involved documentation of this or that.

Since the 90s, I have seen any number of "quality" initiatives come and go,
and as many "quality" standards go the same way.

What you must realize -- this is IMPERATIVE -- all these standards and
initiatives come down to one reality.

The concept "QUALITY" has nothing to do with how good or bad something is.
All it means under these multitudinous "quality" systems is that if a
manufacturer declares a "quality standard" for their products and their
products meet that standard, then they can rightfully claim conformance
to that standard, whether it be ISO9000 or Six Sigma or CMM Level 5.

If I, as a manufacturer, were to define my quality standards as "I will
make 10 devices. 9 devices will meet all specifications. Device #10
will be replaced by and delivered as a steaming dog turd, in all lots
shipped." If I ship a million devices and every 10th device is actually
a dog turd, then I will have achieved Six Sigma (actually around device
330,000, statistically speaking) -- just as long as every 10th device
is actually a steaming dog turd.

Quality is only, and has always only ever been, a quantitative and not a qualitative measure.

Our perception of quality, obviously, is different from that reality. Tell that to the corporate bean-counters. Personally, I prefer a qualitative definition of "quality" that means if my tool breaks I get a new one, unless it was cheap enough to throw away.

Most of the tools I get at Harbor Freight are that cheap. My Snap-On tools? Well, I'm not on the Snap-On man's route. If I ever break a Snap-On tool (and I have my share) I'll track him down. Same with my "Crapsman" mechanics tools.

Funny ... I've had Crapsman and Snap-On tools for decades and except for wearing out or breaking a screwdriver, I've never collected on warranty on any of them. Penney's? Monkey Ward's? They're out of the tool business and I can't locate any of the numerous tools I had from them, probably because they broke and I threw them away, or BETTER, I "loaned" them to my loser friends so that they could have them fail when it mattered the most.

But -- the 21st century Crapsman tools are of such low level of finish and actual low level of what we call quality that Sears has driven me to buy everything at Harbor Freight Tools. I haven't bought a Sears tool, or even replaced a Sears tool, in nearly a decade. I'd rather throw it away than get a warranty replacement.

I guess that's money in their pocket. WTFE.

Please remember that "quality" does not always mean what you think it means, and companies that claim quality -- sometimes they lie.

Jim N6OTQ

578. Re: Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 17:26:02 UTC
From: Barry
Topic: 525 Message: 578

You failed to mention. Harbor Freight also has a lifetime replacement warrenty on their handtools also.

73
K7BLH
Barry

--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> Major snippage here.
>
>
> ----- Original Message ----
> > From: Charles MacDonald <aa508@...>
>
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> > product as being of high
> quality, is that the Gov't of Japan instituted
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>
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> I guess that's money in their pocket. WTFE.
>
> Please remember that "quality" does not always mean what you think it means, and companies that claim quality -- sometimes they lie.
>
> Jim N6OTQ
>

579. Re: [glowbugradio] Re: Chinese Tools Getting Worse

Yahoo group: glowbugradio
Date: 2010-04-04 17:38:29 UTC
From: Paul Christensen
Topic: 525 Message: 579

> I haven't bought a Sears tool, or even replaced a Sears tool, in nearly a decade. I'd rather throw it away than get a warranty replacement.
>
> Jim N6OTQ

Jim,

Recently, I've been upgrading most of my tools with purchases from what were once companies known for quality. The next time you look at tools manufactured by Klein, Crescent, Ideal Industries, Xcelite, GreenLee, and of the Cooper-branded tools -- look at the country of origin. Few of those tools are being manufactured in the U.S. What surprised me most was that Klein has finally succumbed to price competition. My new Klein screwdriver sets are made in the U.S., but their combination driver is made in China. One of the few product line where I could see a consistent "Made in the USA" label is from ChannelLock.

Paul, W9AC

580. Re: [glowbugradio] Re: An R-390A...

Yahoo group: glowbugradio
Date: 2010-04-04 22:50:28 UTC
From: Tom Norris
Topic: 524 Message: 580

Looks like the ad that originally ran in QST in the late '60 of early '70s…

Nifty!

On Apr 4, 2010, at 3:33 AM, Ken wrote:

> □
>
> http://tinyurl.com/yjdjn4o
>
>
>
> ----- Original Message -----
> From: Byron Tatum
> To: glowbugradio@yahoogroups.com
> Sent: Sunday, April 04, 2010 12:41 AM
> Subject: Re: [glowbugradio] Re: An R-390A...
>
>
>
> Some notes-
> On this particular EAC R-390A I have examined it personally at his bench. When you look closely at the gear train it is pretty convincing this radio has seen no use. Coupled with the appearance of the remainder of the set lends more credence. It is truly the nicest R-390A I have ever viewed. We discussed powering it up. Since the capacitors on IF deck should be checked / replaced we did not power it up, due to the fact that he did not want to put a screwdriver to the green-head screws, that is how new looking this unit is. Regarding the serial number discrepancy I cannot explain. Is the rear panel # supposed to be the same as the front panel? I cannot recall myself. But, keep this in mind:
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> 3. I have 2 of '67 EAC R-390A IF decks that came from same place, they are NOS and unused.
> You be the judge, but you can bet on this: You probably are not going to find a nicer R-390A anywhere else.
> Byron WA5THJ

581. Re: [glowbugradio] Re: An R-390A...

Yahoo group: glowbugradio
Date: 2010-04-04 23:09:10 UTC
From: Carl
Topic: 524 Message: 581

That contract was rejected in 69 and the ads started late that year. The problem was the Cosmos PTO's werent set properly and once fixed the radios worked well.

Herb Gordon Company in MA was another who was buying large lots of 390/390A surplus in those years. I used to moonlight (National Radio was the daytime job) doing the overhauls but I dont remember any new ones and I left the area in July 1970.

By the time I moved back in July 73 he had died and everything was liquidated including a fantastic collection of early radios.

Carl
KM1H

----- Original Message -----
From: Tom Norris
To: glowbugradio@yahoogroups.com
Sent: Sunday, April 04, 2010 6:50 PM
Subject: Re: [glowbugradio] Re: An R-390A...

Looks like the ad that originally ran in QST in the late '60 of early '70s…

Nifty!

On Apr 4, 2010, at 3:33 AM, Ken wrote:

☐

http://tinyurl.com/yjdjn4o

----- Original Message -----
From: Byron Tatum
To: glowbugradio@yahoogroups.com
Sent: Sunday, April 04, 2010 12:41 AM
Subject: Re: [glowbugradio] Re: An R-390A...

Some notes-
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3. I have 2 of '67 EAC R-390A IF decks that came from same place, they are NOS and unused.

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Byron WA5THJ

582. Re: [Glowbugs] Re: vintage SSB

Yahoo group: glowbugradio
Date: 2010-04-08 00:13:54 UTC
From: Charlie , W5COV
Topic: 582 Message: 582

Sure it would Hue , as long as you avoid Kilowatt Alley . You would be amazed at the DX you can work with 15W PEP SSB.

I wonder why we don't consider looking at converting some CB rigs to 12 meters too . If we have old glowbug gear that doesn't cover the WARC bands , 12 would add a new band for us , where 10 would likely be a redundant band , unless a guy just wanted a cheap 10 meter mobile .

I would like to play with doing some 12 meter conversions , but everyone in this rural area , must still have all of the sideband rigs in their closets or barns . I have found about every brand of AM rig you can think of , but never even one SSB rig at an auction or rummage sale .

Somewhere out there , literally thousands of these old sideband rigs have to be hiding .

Charlie , W5COV

583. Re: [glowbugradio] Re: [Glowbugs] Re: vintage SSB

Yahoo group: glowbugradio
Date: 2010-04-08 01:26:18 UTC
From: Carl
Topic: 582 Message: 583

Im on 12M AM once in awhile with a Viking II CDC and a modifed Command Set TX as the VFO. It also gets a good workout on 10 when its hot.

Give AM a try, it can be fun.

Carl
KM1H

----- Original Message -----
From: Charlie , W5COV
To: glowbugs@... ; glowbugradio@yahoogroups.com
Sent: Wednesday, April 07, 2010 8:13 PM
Subject: [glowbugradio] Re: [Glowbugs] Re: vintage SSB

Sure it would Hue , as long as you avoid Kilowatt Alley . You would be amazed at the DX you can work with 15W PEP SSB.

I wonder why we don't consider looking at converting some CB rigs to 12 meters too . If we have old glowbug gear that doesn't cover the WARC bands , 12 would add a new band for us , where 10 would likely be a redundant band , unless a guy just wanted a cheap 10 meter mobile .

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Somewhere out there , literally thousands of these old sideband rigs have to be hiding .

Charlie , W5COV

584. Tubes FS

Yahoo group: glowbugradio
Date: 2010-04-10 14:55:51 UTC
From: Ken Simpson, W8EK
Topic: 584 Message: 584

Tubes for sale:

Magic Eye" Tube:

6E5 "Magic Eye" tube as used in many capacitor testers,
and other test equipment that uses the "magic eye" as
an indicator.
This particular 6E5 is NOS (New, unused, but old stock),
in its original Sylvania box. $22

Note: All tubes are NOS (New, but Old Stock).

Rectifier tubes:
0 Z 4 - $5
1B3 - $1
5U4 - $12
5Y3 - $12
5Z3 - $12
5642 - 10,000 PIV, w/ wire leads - $5

Regulator tubes: $5 each
Several of each available.
0 A 2
0 D 3

Amperite Ballast tubes: $8 each
Several of each available.
1H46
3-16
3-38

Loctal tubes:
Several of each available.
7A8 - $4 each
7B4 - $4 each
7C5 - $8 each
7F7 - $8 each
7K7 - $6 each
7N7 - $9 each
7Q7 - $5 each

1620 - selected, low microphonic metal 6J7 - $8

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5015 (20100410) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

585. Boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-04-17 11:28:55 UTC
From: Ken Simpson, W8EK
Topic: 585 Message: 585

Boatanchor items For Sale:

Microphones:

All of these microphones have been tested and work well.

Johnson Hi Z Hand Microphone
This high impedance hand mic is a gray color, with the Johnson logo with the Viking on it. It has a PTT switch and coiled cord, and produces a nice pattern on the scope. It looks good also. I can not find and scratches on it, and it even shines! $30

Generic Hi Z Hand Microphone
This hand mic is black in color, and looks like it might have come from a HyGain rig. It has a PTT switch and black coiled cord. Close to new condition. $25

Shure 401 B, Low Z Hand Microphone
This mic has characteristics similar the the Shure 444 Desk Mic, but this one is a hand mic. It is a controlled magnetic mic, with frequency response tailored for voice communications. It has a rugged case, and a heavy duty coiled cord. 4 pin connector. With paper work for $40.

Shure 104 C, Low Z hand Microphone
This is a very heavy duty Shure mic. It appears to be new, with stripped and tinned ends that have never been on a connector. It is in its original box, with the original instruction manual. $30

Chrome Low Z Hand Microphone
This mic is chrome plated. My memory says it may have come from a Polycom rig. The mic is a good solid metal case with chrome plating all around, with a black PTT switch and black coiled cord. There are some pits on the chrome; it works fine. $30

Generic Hand Microphone
This is a low impedance hand microphone, black in color.
With 4 pin connector. $25
With no connector. $22

Lafayette EAM-15 dynamic hand microphone
2000 ohm impedance can be used any place a dynamic mic is needed. Stripped and tinned leads.
It works fine, and looks good also. $25

DTMF Touch Tone Microphones:

Johnson 250-0761-010 / CES 655 L DTMF Mic
It has a 12 digit pad on the front, and is a rugged mic.
Presently with 4 pin plug. Looks to be unused. $40

KDK DM TT-1 DTMF Touch Tone Mic
This mic has a 12 digit touch tone pad on it, with a
switch to turn the pad on and off. With 4 pin plug.
It works fine, and looks great. $35

Data Signal "Data-Coder 5" Touch Tone Mic
This mic has a 12 digit touch tone pad on it, plus a normal
low impedance microphone. With 4 pin plug. Like new. $38

CES 610 L DTMF Touch Tone Mic
Can manually dial a number, or automatically store it in the
mic, and "speed dial". 12 digit touch tone pad on the front,
with the microphone part above the pad. With an 8 pin modular
plug (like a computer LAN) on it, which can be changed.
Looks to be new. $40

Communications Speaker
This 4 inch square speaker is optimized for communications
frequencies (300 to 3000 Hz). It is in a black enclosure,
and is an 8 ohm speaker. It has a cord with a 1/8 inch
(3.5 mm) mono plug on the end.
This one works fine and looks OK also. $15

Low Pass TVI Filters:

A low pass TVI filter is added to the transmitter (inserted
in the coax line after the transmitter or transceiver) to
reduce harmonic interference.

B & W FL-10/1500 (Also known as model 425) low pass filter
B & W TVI filter, 50 ohm. It cuts off just above 10 meters,
and will handle 1500 Watts. SO-239 connector on each
end. This is the latest model B & W filter. It is in very nice
condition; it looks very close to new. With paper work $40.

Drake TV-5200-LP
This is the more modern version of the Drake TV-1000 Low Pass
Filter. This is the filter that may also be used on the low
end of six meters, as well as HF. It is good for 1000 Watts
average below 30 MHz, and about 200 W up to 52 MHz. It works
fine, and is in very nice shape. $35

Drake TV-3300-LP Low Pass Filter
This is a modern low pass filter to go between your transmitter
and antenna, and has been optimized to have more attenuation
in the 40 MHz region, where many TVs have their IF. It is good
for 1000 Watts "average" according to the manual, and has
over 80 db attenuation at 41 MHz. This one looks great, and

includes the paper work. $30

Coax Cable with Type "N" Connectors:
This cable is made of RG-8 coax and is about 6 feet long.
It has a male type "N" connector on each end. $12

Coax connectors and adapters:
Prices are per connector. Several of each are available.
These are NOS (have not been used).

BNC male for coax cable
standard type - $2
crimp on type - $3

Chassis mount BNC female
square mount (uses 4 screws) - $3
screw in type - $3

BNC 90 degree - female to male - $3

BNC "T" - two female and one male - $3

Antenna adapter to fit the BNC connector on the HT
and provide an SO-239 connector that will permit
a PL-259 to be attached. (BNC male to UHF female) $5

UHF Male (PL-259) to BNC female (opposite of above) $5

UHF double female "Barrel connector" (two SO-239 together) $3

UHF "T" connector with two female (SO-239) and one male
(PL-259) connection - $5

Antenna adapter for Kenwood TH-21/31/41 HTs
Adapts the antenna connector found on these HTs to a
standard PL-259 connector. $6

Prices do not include shipping from Florida.

Thanks.
73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5034 (20100416) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

586. COLLINS EQUIPMENT FOR SALE

Yahoo group: glowbugradio
Date: 2010-05-01 18:02:29 UTC
From: K0DAN
Topic: 586 Message: 586

I am posting these ads for a friend.

Pictures are available on request.

Seller prefers not to ship items, wishes local pick-up in Springfield, Missouri area. Shipment, if required, will be actual cost and will include any special packing requirements buyer may have.

If you have interest in any items, please contact Stan (WA0ATU), 417-267-2279, spcary@....

73,

Dan
K0DAN

==========

Collins PM-2 KWM-2 piggy back power supply-$200. I haven't used this and the paint is not 100% but it is still pretty nice. So I've priced it accordingly.

Collins 312B-5 remote VFO for KWM-2. This is winged emblem and in very good condition-$750

KWM-2A/516F-2 speaker-power-supply/SM-2 mic. This equipment is very nice, and is late model round emblem. The transceiver has had some updates including B&W rejection tuning, and DX engineering speech processor. This equipment will be sold as a package, however the individual prices are as follows:
KWM-2A-$1800, 516F-2-$450, SM-2 mic-$200. Includes Collins manuals including technical service manual.

Dentron MT-3000A antenna tuner with copy of operating manual-$325. This unit is in like new condition and works perfectly.

587. Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-17 14:11:00 UTC
From: ressuej
Topic: 587 Message: 587

Hello all, I just rebuilt a US Navy RBS series receiver, and built up my own power supply. It was well worth the 3 months of work off and on. What a great black box!!! Purrs like a kitten...full wave AM is all new to me and there is so much out there. Great site this glowbug! Any other mil-tube lovers??? JR

588. Re: [glowbugradio] Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-17 18:23:45 UTC
From: Carl
Topic: 587 Message: 588

That sounds like a nice radio. Ive seen them at hamfests but never used one.

I have a few military sets, mostly Navy. RAK, RAL, RBB, RBC, RBL-5, ATC (Navy ART-13), several ARC-5 RX and TX, BC-312N, R-274/SX-73, R-388, R-390A, picked up over about 25 years. I think Ive reached my saturation limit! Most have been restored.

Carl
KM1H

Hello all, I just rebuilt a US Navy RBS series receiver, and built up my own power supply. It was well worth the 3 months of work off and on. What a great black box!!! Purrs like a kitten...full wave AM is all new to me and there is so much out there. Great site this glowbug! Any other mil-tube lovers??? JR

589. Re: [glowbugradio] Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-17 19:42:52 UTC
From: Kenneth G. Gordon
Topic: 587 Message: 589

On 17 May 2010 at 14:11, ressuej wrote:

> Hello all, I just rebuilt a US Navy RBS series receiver, and built up
> my own power supply. It was well worth the 3 months of work off and
> on. What a great black box!!! Purrs like a kitten...full wave AM is
> all new to me and there is so much out there. Great site this glowbug!
> Any other mil-tube lovers??? JR

Ha! Surely, Sir, you jest?

I presently own at least a ton (2000 lbs) of mil receivers, transmitters, and test gear, including RAK, RAL, RBA, RBL, RCH, RDO, R-389, BC-779, SRR-11/12/13, R-390A, SP-600-JX1, ARC-5, ARC-2, ARC-3, ART-13, AN/PRM-10, AN/URM-25, AN/URM-90, OS-8, mil Tek scope, varoius power supplies.

Congrats on your RBS. I may own one someday.

Ken Gordon W7EKB

590. Re: [glowbugradio] Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-19 14:35:24 UTC
From: WØQFC
Topic: 587 Message: 590

Ken's email reminded me of my quest for a original power supply for the RBS.

Any one have one for sale????

Gene, W?QFC
Spring Hill FL

591. RE: [glowbugradio] Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-20 01:29:25 UTC
From: Tom Bridgers
Topic: 587 Message: 591

Hi Gene,

I may have one. Let me check.

Does it have a pair of 6L6's for the AF amp in addition to the PS on the chassis? Or is that the PS for the RBC? I remember mine has 3 plugs (jacks).

73's,

-Tom

To: glowbugradio@yahoogroups.com
From: erastber@...
Date: Wed, 19 May 2010 10:35:24 -0400
Subject: Re: [glowbugradio] Navy Boatanchor RBS

Ken's email reminded me of my quest for a original power supply for the RBS.

Any one have one for sale????

Gene, WØQFC
Spring Hill FL

592. Re: [glowbugradio] Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-20 14:15:09 UTC
From: John Ressue
Topic: 587 Message: 592

Tom,

I'd love an original power supply/amp myself! If Gene needs it that's cool, but I had given up looking. I'm in central NY and there isn't much in the hamfests and resale market inside of 200+ miles....anyone else have one?? drool drool John R (KC2TFE)

From: Tom Bridgers <tarheel6@...>
To: glowbugradio@yahoogroups.com
Sent: Wed, May 19, 2010 9:29:25 PM
Subject: RE: [glowbugradio] Navy Boatanchor RBS

Hi Gene,
I may have one. Let me check.

Does it have a pair of 6L6's for the AF amp in addition to the PS on the chassis? Or is that the PS for the RBC? I remember mine has 3 plugs (jacks).
73's,
-Tom

To: glowbugradio@ yahoogroups. com
From: erastber@tampabay. rr.com
Date: Wed, 19 May 2010 10:35:24 -0400
Subject: Re: [glowbugradio] Navy Boatanchor RBS

Ken's email reminded me of my quest for a original power supply for the RBS.

Any one have one for sale????

Gene, WØQFC
Spring Hill FL

593. RE: [glowbugradio] Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-21 14:52:07 UTC
From: Kenneth G. Gordon
Topic: 587 Message: 593

On 19 May 2010 at 21:29, Tom Bridgers wrote:

> Does it have a pair of 6L6's for the AF amp in addition to the PS on
> the chassis? Or is that the PS for the RBC?

No, Tom. The RBC's power supply does not include an
audio amp of any sort.

In fact, the PS for the RBB/RBC could power two receivers
if necessary. It was also usable with the RBA.

Ken W7EKB

594. RE: [glowbugradio] Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-22 00:15:44 UTC
From: Tom Bridgers
Topic: 587 Message: 594

Hi Ken!

Thanks for the clarification.

I checked and here's what's on the tag of the p/s I have:

Type CCT-20235
Rectifier - Power Amplifier Unit
A unit of Model RBS-1 Radio Equipment
Manufactured by Stromberg-Carlson Company
Rochester, NY

It appears that what Gene needs is a p/s for a RBS-3 Radio system, whereas my p/s is for the RBS-1 system.

Best,

-Tom KE4RHH

To: glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Fri, 21 May 2010 07:52:07 -0700
Subject: RE: [glowbugradio] Navy Boatanchor RBS

On 19 May 2010 at 21:29, Tom Bridgers wrote:

> Does it have a pair of 6L6's for the AF amp in addition to the PS on
> the chassis? Or is that the PS for the RBC?

No, Tom. The RBC's power supply does not include an
audio amp of any sort.

In fact, the PS for the RBB/RBC could power two receivers
if necessary. It was also usable with the RBA.

Ken W7EKB

595. PATCH PANEL FOR SALE

Yahoo group: glowbugradio
Date: 2010-05-23 02:12:53 UTC
From: K0DAN
Topic: 595 Message: 595

I have a 24 channel audio patch panel with TRS cables for sale. Like new, it's a Foundation Instruments Model 200JF02 patch bay with two rows of 3/16" (4mm) TRS (TIP/RING/SLEEVE) jacks with 24 jacks per row. Backplane has connectors for dropjacks and line jacks. Eighteen (18) multi-color patch cables are included.

Photos available on request. $45 + shipping.

Please contact me off list if interested.

73
Dan
k0dan@...

596. Re: [glowbugradio] Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-23 12:57:34 UTC
From: John Ressue
Topic: 587 Message: 596

Hello again Tom,

Iknow that there are also versions of the CCT power supplys as well, there were tech bullitens put out regarding the -A, and other types for problems with one of the rectifier tube choices and the downline filtering. I never found out more than that so I built my own power supplies so i wouldn't ruin my receiver that I fixed guessing! That would have been too painful! lol
John Ressue KC2TFE

From: Tom Bridgers <tarheel6@...>
To: glowbugradio@yahoogroups.com
Sent: Fri, May 21, 2010 8:15:44 PM
Subject: RE: [glowbugradio] Navy Boatanchor RBS

Hi Ken!
Thanks for the clarification.

I checked and here's what's on the tag of the p/s I have:
Type CCT-20235
Rectifier - Power Amplifier Unit
A unit of Model RBS-1 Radio Equipment
Manufactured by Stromberg-Carlson Company
Rochester, NY

It appears that what Gene needs is a p/s for a RBS-3 Radio system, whereas my p/s is for the RBS-1 system.
Best,
-Tom KE4RHH

To: glowbugradio@ yahoogroups. com
From: kgordon2006@ verizon.net
Date: Fri, 21 May 2010 07:52:07 -0700
Subject: RE: [glowbugradio] Navy Boatanchor RBS

On 19 May 2010 at 21:29, Tom Bridgers wrote:

> Does it have a pair of 6L6's for the AF amp in addition to the PS on
> the chassis? Or is that the PS for the RBC?

No, Tom. The RBC's power supply does not include an
audio amp of any sort.

In fact, the PS for the RBB/RBC could power two receivers
if necessary. It was also usable with the RBA.

Ken W7EKB

597. Re: Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-05-25 17:07:45 UTC
From: ressuej
Topic: 587 Message: 597

Hello Tom, I am still interested in the RBS power Supply. It seems that it is still available? I understand the weight concern and understand the cost for shipping. I buy from Fair Radio once in awhile...a real candy store for me! Thnx, John Ressue KC2TFE

--- In glowbugradio@yahoogroups.com, Tom Bridgers <tarheel6@...> wrote:
>
>
> Hi Gene,
>
> I may have one. Let me check.
>
>
>
> Does it have a pair of 6L6's for the AF amp in addition to the PS on the chassis? Or is that the PS for the RBC? I remember mine has 3 plugs (jacks).
>
> 73's,
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> -Tom
>
>
>
>
>
> To: glowbugradio@yahoogroups.com
> From: erastber@...
> Date: Wed, 19 May 2010 10:35:24 -0400
> Subject: Re: [glowbugradio] Navy Boatanchor RBS
>
>
>
>
>
>
> Ken's email reminded me of my quest for a original power supply for the RBS.
>
> Any one have one for sale????
>
> Gene, WØQFC
> Spring Hill FL
>

598. Heathkit SB-101

Yahoo group: glowbugradio
Date: 2010-05-25 17:12:46 UTC
From: ressuej
Topic: 598 Message: 598

Hello again all, I have as well a Heathkit SB-101 that I love. I got it at a local hamfest for very little, and it did not have a cover. I made a cover that you could see through to watch the tubes glow!!!cool...except the RF output section is shielded...(bummer) but saftey first. Anyone else have the Heathkits goin'??? John Ressue KC2TFE

599. Re: [glowbugradio] Heathkit SB-101

Yahoo group: glowbugradio
Date: 2010-05-26 01:43:23 UTC
From: Kenneth G. Gordon
Topic: 598 Message: 599

On 25 May 2010 at 17:12, ressuej wrote:

>
>
> Hello again all, I have as well a Heathkit SB-101 that I love. I got
> it at a local hamfest for very little, and it did not have a cover. I
> made a cover that you could see through to watch the tubes
> glow!!!cool...except the RF output section is shielded...(bummer) but
> saftey first. Anyone else have the Heathkits goin'??? John Ressue
> KC2TFE

First of all, original Heathkit cabinets come up on eBay regularly. You might also ask the guys at ElectroPartsCo.

Secondly, yes. I operate an SB-102, an SB-301/401 combo, SB-200 (two of them), SB-630, SB-610, DX-35 (two), VF-1 (several), HD-14 keyer, HM-2140 wattmeter, C-3 cap checker, at least one HW-101, HW-16, various test instruments, etc.

Ken W7EKB

600. Re: [glowbugradio] Heathkit SB-101

Yahoo group: glowbugradio
Date: 2010-05-26 11:24:12 UTC
From: Carl
Topic: 598 Message: 600

Hey did you get the updates on the D coils I sent you?

Carl

On 25 May 2010 at 17:12, ressuej wrote:

>
>
> Hello again all, I have as well a Heathkit SB-101 that I love. I got
> it at a local hamfest for very little, and it did not have a cover. I
> made a cover that you could see through to watch the tubes
> glow!!!cool...except the RF output section is shielded...(bummer) but
> saftey first. Anyone else have the Heathkits goin'??? John Ressue
> KC2TFE

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Ken W7EKB

601. Re: [glowbugradio] Heathkit SB-101

Yahoo group: glowbugradio
Date: 2010-05-26 14:13:33 UTC
From: John Ressue
Topic: 598 Message: 601

Ken...that's awesome! Send a pic if you can! I need to do an alignment on mine..I pulled it off the air temporarily so as to go thru it...recvr sensivity is great, I just nee to cal the dial to my output freq,...etc...etc...just basics. I'll look on ebay for a cover...that would be great. Thanx for the tip. John Ressue

---
From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Tue, May 25, 2010 9:43:23 PM
Subject: Re: [glowbugradio] Heathkit SB-101

On 25 May 2010 at 17:12, ressuej wrote:

>
>
> Hello again all, I have as well a Heathkit SB-101 that I love. I got
> it at a local hamfest for very little, and it did not have a cover. I
> made a cover that you could see through to watch the tubes
> glow!!!cool...except the RF output section is shielded...(bummer) but
> saftey first. Anyone else have the Heathkits goin'??? John Ressue
> KC2TFE

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Secondly, yes. I operate an SB-102, an SB-301/401 combo, SB-200 (two of them), SB-630, SB-610, DX-35 (two), VF-1 (several), HD-14 keyer, HM-2140 wattmeter, C-3 cap checker, at least one HW-101, HW-16, various test instruments, etc.

Ken W7EKB

602. Re: [glowbugradio] Heathkit SB-101

Yahoo group: glowbugradio
Date: 2010-05-26 15:14:09 UTC
From: Kenneth G. Gordon
Topic: 598 Message: 602

On 26 May 2010 at 7:24, Carl wrote:

>
>
> Hey did you get the updates on the D coils I sent you?

Yes, thanks.

Been zooish here...

Ken

603. ARRL HANDBOOKS 4-SALE

Yahoo group: glowbugradio
Date: 2010-05-26 15:33:00 UTC
From: K0DAN
Topic: 603 Message: 603

I have three ARRL Handbooks for sale:

1982, 1985, and 1998, all in good condition.

$10 each, or all for $25.

Will ship via USPS Media Mail (probably somewhere around $3-$5 per book, see http://www.usps.com/prices/media-mail-prices.htm).

Please contact me off-list

73
Dan
K0DAN
k0dan@...

604. Re: [glowbugradio] ARRL HANDBOOKS 4-SALE

Yahoo group: glowbugradio
Date: 2010-05-26 15:53:10 UTC
From: Carl
Topic: 603 Message: 604

I'll offer $15 for the 82 and 98, trying to fill a few holes. They have been going for $5 at the local hamfests this spring.

Carl
KM1H

----- Original Message -----
From: K0DAN
To: glowbugradio@yahoogroups.com
Sent: Wednesday, May 26, 2010 11:33 AM
Subject: [glowbugradio] ARRL HANDBOOKS 4-SALE

I have three ARRL Handbooks for sale:

1982, 1985, and 1998, all in good condition.

$10 each, or all for $25.

Will ship via USPS Media Mail (probably somewhere around $3-$5 per book, see http://www.usps.com/prices/media-mail-prices.htm).

Please contact me off-list

73
Dan
K0DAN
k0dan@...

605. Re: [glowbugradio] ARRL HANDBOOKS 4-SALE

Yahoo group: glowbugradio
Date: 2010-05-27 03:05:07 UTC
From: K0DAN
Topic: 603 Message: 605

Thanks for the offer...I have a local who offered to take all 3 of them. If that falls thru, I'll be in touch.

73
Dan
K0DAN

----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Wednesday, May 26, 2010 10:53 AM
Subject: Re: [glowbugradio] ARRL HANDBOOKS 4-SALE

I'll offer $15 for the 82 and 98, trying to fill a few holes. They have been going for $5 at the local hamfests this spring.

Carl
KM1H

----- Original Message -----
From: K0DAN
To: glowbugradio@yahoogroups.com
Sent: Wednesday, May 26, 2010 11:33 AM
Subject: [glowbugradio] ARRL HANDBOOKS 4-SALE

I have three ARRL Handbooks for sale:

1982, 1985, and 1998, all in good condition.

$10 each, or all for $25.

Will ship via USPS Media Mail (probably somewhere around $3-$5 per book, see http://www.usps.com/prices/media-mail-prices.htm).

Please contact me off-list

73
Dan
K0DAN
k0dan@arrl.net

606. PATCH PANEL FOR SALE

Yahoo group: glowbugradio
Date: 2010-05-30 02:26:53 UTC
From: K0DAN
Topic: 595 Message: 606

I have a 24 channel audio patch panel with TRS cables for sale. Like new, it's a Foundation Instruments Model 200JF02 patch bay with two rows of 3/16" (4mm) TRS (TIP/RING/SLEEVE) Bantam jacks with 24 jacks per row. Backplane has connectors for dropjacks and line jacks. Eighteen (18) multi-color patch cables are included.

Photos available on request. $45 + shipping.

Please contact me off list if interested.

73
Dan
k0dan@...

607. HF Vertical Antennas, VHF & UHF Antennas, and related items FS

Yahoo group: glowbugradio
Date: 2010-06-26 13:35:17 UTC
From: Ken Simpson, W8EK
Topic: 607 Message: 607

For Sale:

HF Vertical Antennas, plus other antennas and related items

These two HF Vertical antennas are located near Ocala, Florida, near I-75. They are disassembled, on the ground, ready for pickup, and reassembly at your QTH. Paper work is included, as are all parts, to the best of my knowledge. I was careful with disassembly, so it should be easy to reassemble them. Due to their size, it is just not practical to ship them. Other antennas and related items can be shipped, of course.

HyGain HyTower HF Vertical Antenna:

The HyGain HyTower HF vertical covers 80, 40, 20, 15, and 10 meters. The WARC bands (and 160 meters) can be added, but are not a part of this antenna at present. This is an extremely rugged antenna, consisting of about 30 feet of actual tower, with additional stubs for tuning. Total height is about 50 feet.

Automatic band selection is achieved through a unique stub decoupling system so that an electrical 1/4 wavelength (or odd multiple) exists on all bands. Unity gain on 20, 40, 80; 2 dB on 10/15 Meters.

This particular antenna is in good condition. As far as I know, all hardware is included. If putting it up myself, I would probably paint the tower sections, but there is very, very little surface rust.

Due to size, this is pick up only, near Ocala FL, close to I-75.

This antenna sells for $950 new. With paper work for $350.

Gap "Titan" HF Vertical Antenna:

The Titan is an 8 Band Multiband DX Antenna. It covers 80 thru 10 meters, including the WARC bands. It covers the entire band on 40 thru 10, and about 100 KHz on 75/80 meters. It is about 25 feet tall, and includes a counterpoise, so that no radials are required.

One of the primary virtues of the Titan is the GAP center feed. By elevating the feed the earth loss is dramatically decreased, which means the RF is going out to make the contact instead of into the ground to warm the earth. Reducing the earth loss eliminates the need for a radial system. The Titan requires NO RADIALS.

This particular antenna is in extremely nice shape with no corrosion. Most of the aluminum is still shiny. If I were putting it up myself, I would clean the connections with a Scotchbrite sponge, but it is in great condition. I will even furnish the sponge!

These sell new for about $400. This one is close to new, with paper work for $250. Pick up only near Ocala FL.

Larsen VHF and UHF (2 meter and 440 MHz) Mobile antennas:

Antennas are used, but in very good condition.

Larsen NLA-150, 2 meter antenna, for Larsen NLA mount
Has about 3 db gain on 2 meters; includes whip. $16
As above, but coil only, without whip. $10
Note: The whip is hard to ship (it is about 4 feet long), and often one can be obtained locally.

Larsen NLA-450 coil and "stacked" whip for 440 MHz
Fits the Larsen NLA mount, and has about 5 db gain on the 70 cm band. Stacked whip is included. $12

Larsen LM-150, 2 meter antenna for Larsen LM Mount
Has 3 db gain on 2 meters.
This coil is still in its original box, and appears to never have been used. It even has its rubber washer with it, along with instructions.
Coil only for $20.
Coil, with 4 foot used whip. $26

Larsen Q Quarter Wave Antenna
Fits a 5/16 inch stud, such as the Larsen LM mount, and others. It can be cut for 2 meters, 220 MHz, or 450 MHz bands. $9

Trunk Lip Mount with 5/16 inch stud
Ideal for use with the "Q" or LM-150above, or any other antenna that requires a 5/16 inch stud. Very nice for $18.

Avanti "On Glass" antenna for 440 MHz:

This antenna was made by Avanti to mount on a windshield, or other glass. It does not require a ground plane, as it is a 1/2 wave antenna, rated to have 3 db gain. It is ideal for places where a ground plane is not available, such as a boat or motor home, in addition to cars. A special tuning box is included to match to your particular situation.

Avanti Antenna for 440 MHz
Still in its original tube, unopened. $33

Hustler "Super: High Power Resonator:
"Super" high power resonator (good for 2 KW PEP):
20 meter RM-20 S $20

Heath HM-2102 VHF wattmeter, covering 50 to 160 MHz.

Similar to the HM-102, but for VHF frequencies, with 250 and 25 watt scales. It can also be used to check SWR, and has a remote sensor that can either be left inside the meter, or separated from the actual meter. SO-239 connectors in and out.

This particular meter works great. It looks good, but has a small defect on the left side of the meter that does not effect operation.

Paper work included for $40.

Dual Meter SWR Bridges:

All of these feature two separate meters -- one for reading forward power and another for reading SWR. This permits one to easily monitor both the power going out, and the SWR on the antenna. They were made in Japan, and labeled with various names, including Swan, Siltronix, and Quement. All have SO-239 connectors on each end, and work fine.

All will work on HF, and VHF, covering 3 to 150 MHz, so are ideal for the new rigs that include 6 and 2 meters.

Swan SWR-1
This one is in its original box, but the meter itself says Siltronix on it. The original instruction sheet has both Swan and Siltronix on it. $45

Quement SWB-2
No box for this one, but it works fine and looks great.
With paper work for $40

SWR Bridges / Field Strength Meters:

Midland 23-126 SWR Bridge / Field Strength Meter
This is an HF SWR Bridge, but it can be used up thru 2 meters, with slightly reduced accuracy. It is also a field strength meter. SO-239 connectors.
This one works fine, and looks extremely nice. I do not see any scratches on it; it may not have ever been used. In its original box with original instructions and small telescoping antenna. $35

ThordTest SWFS-2 SWR Bridge / Field Strength Meter
Appears to be the same as the Midland above, but the outer case is beige instead of black.
In original box, with original instruction sheet, and antenna.
$30

ParaDynamics PDC-5 Wattmeter
This unit has a wattmeter with scales of 100 W, 10 W, and
1 W. It has an SWR Bridge built in, with an antenna tuner.
It was obviously made for 11 meter use, but it works well
on other frequencies. The tuner portion works fine on 10 m,
12 m, and 15 m. The wattmeter seems accurate from 20 meters
thru 10 meters.
It is physically small (only 5 X 3 X 1), so would be ideal
for portable use.
The wattmeter and antenna tuner portion work fine, however,
the SWR portion of this unit is inoperative. It looks fine. $12

Low Pass TVI Filters:

A low pass TVI filter is added to the transmitter to reduce
harmonic interference. All have SO-239 connectors.

B & W FL-10/1500 low pass filter
This 50 ohm filter cuts off just above 10 meters, and will
handle 1500 Watts. This is the latest model B & W filter.
It is in very nice condition; it looks very close to new.
With paper work $40.

B & W 425 low pass filter
It cuts off just above 10 meters, and will handle 1500+ Watts.
Maximum attenuation is at 52 MHz, with at least 70 db across
the band. This is an older model that seems much heavier duty.
It weighs almost twice as much as the newer model, and looks
like it would take more power. It even has a serial number on
it, and "Patent applied for". Paper work included. $35

Drake TV-3300-LP Low Pass Filter
This is a modern low pass filter to go between your transmitter
and antenna, and has been optimized to have more attenuation
in the 40 MHz region, where many TVs have their IF. It is good
for 1000 Watts "average" according to the manual, and has
over 80 db attenuation at 41 MHz. This one looks great, and
includes the paper work. $30

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5230
(20100625) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

608. Re: Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-07-02 18:30:51 UTC
From: ressuej
Topic: 587 Message: 608

Ken, I wanted to follow up with you in regards to boatanchor AM transmitters. I want to aquire a Navy Txmitter to accompany my RBS receiver...but wanted to talk about matching up equipment and bands /frerqs available to talk with others..thanx John Ressue

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:
>
> On 17 May 2010 at 14:11, ressuej wrote:
>
> > > Hello all, I just rebuilt a US Navy RBS series receiver, and built up
> > > my own power supply. It was well worth the 3 months of work off and
> > > on. What a great black box!!! Purrs like a kitten...full wave AM is
> > > all new to me and there is so much out there. Great site this glowbug!
> > > Any other mil-tube lovers??? JR
>
> Ha! Surely, Sir, you jest?
>
> I presently own at least a ton (2000 lbs) of mil receivers, transmitters, and
> test gear, including RAK, RAL, RBA, RBL, RCH, RDO, R-389, BC-779, SRR-
> 11/12/13, R-390A, SP-600-JX1, ARC-5, ARC-2, ARC-3, ART-13, AN/PRM-
> 10, AN/URM-25, AN/URM-90, OS-8, mil Tek scope, varoius power supplies.
>
> Congrats on your RBS. I may own one someday.
>
> Ken Gordon W7EKB
>

609. Re: [glowbugradio] Re: Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-07-02 19:18:33 UTC
From: Carl
Topic: 587 Message: 609

Id suggest an ATC as the most versatile and not taking up the garage. It is the Navy version of the ART-13 before they combined the nomenclature under the JAN umbrella.

I use mine mainly on 17M where it has enough frequency overlap to get into the phone portion and sometimes on 20.

For low power there must be a million TCS out there. The serious guys play with a BC-610 or bigger.

Like Ken I have a bit of mil stuff. Besides the usual belly button Command sets there is the rather scarce T-16 that covers .8 to 1.3mc. I also have RAK, RAL, RBB, RBC, SP-400, SX-73/R-274, R-388, R-390A, 51J4, Meissner Signal Shifter VFO part of the 150B, several pieces of test equipment and some high power VHF/UHF gear that is a lot newer.

Altho mostly not mil I operate AM from 160 to 2M

Carl
KM1H

----- Original Message -----
From: ressuej
To: glowbugradio@yahoogroups.com
Sent: Friday, July 02, 2010 2:30 PM
Subject: [glowbugradio] Re: Navy Boatanchor RBS

Ken, I wanted to follow up with you in regards to boatanchor AM transmitters. I want to aquire a Navy Txmitter to accompany my RBS receiver...but wanted to talk about matching up equipment and bands /frerqs available to talk with others..thanx John Ressue

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> > my own power supply. It was well worth the 3 months of work off and
> > on. What a great black box!!! Purrs like a kitten...full wave AM is
> > all new to me and there is so much out there. Great site this glowbug!
> > Any other mil-tube lovers??? JR
>
> Ha! Surely, Sir, you jest?
>
> I presently own at least a ton (2000 lbs) of mil receivers, transmitters,
> and

> test gear, including RAK, RAL, RBA, RBL, RCH, RDO, R-389, BC-779, SRR-
> 11/12/13, R-390A, SP-600-JX1, ARC-5, ARC-2, ARC-3, ART-13, AN/PRM-
> 10, AN/URM-25, AN/URM-90, OS-8, mil Tek scope, varoius power supplies.
>
> Congrats on your RBS. I may own one someday.
>
> Ken Gordon W7EKB
>

610. Re: Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-07-03 17:35:16 UTC
From: Paul Beckwith
Topic: 587 Message: 610

Nice catch on the RBS!! Don't know as I've ever seen one. Like the other guys, I have a goodly collection of mostly WWII military gear and use it on 80 & 40m CW. Good Luck with your setup!!

73's de Paul K2LMQ Kingman, AZ.

611. Re: [glowbugradio] Re: Navy Boatanchor RBS

Yahoo group: glowbugradio
Date: 2010-07-07 16:55:09 UTC
From: John Ressue
Topic: 587 Message: 611

Thanks, I'll take a photo of the setup and post it if that's OK with the group...JR

From: Paul Beckwith <beckrep@...>
To: glowbugradio@yahoogroups.com
Sent: Sat, July 3, 2010 1:35:16 PM
Subject: [glowbugradio] Re: Navy Boatanchor RBS

Nice catch on the RBS!! Don't know as I've ever seen one. Like the other guys, I have a goodly collection of mostly WWII military gear and use it on 80 & 40m CW. Good Luck with your setup!!

73's de Paul K2LMQ Kingman, AZ.

612. AN?GRC-9 "ANGRY-9"

Yahoo group: glowbugradio
Date: 2010-07-18 13:06:05 UTC
From: Pronto. (Military)
Topic: 612 Message: 612

Hi Guys,
I've started a new group called "ANGRY-9" to take place of the old GRC-9 group that was taken down.
The new group contains data on making replacement plug in transistor modules for the receiver tubes. No modifications necessary. Just pull the tubes and plug in the FET TRansistor modules.
Come join and help us rebuild a desirable group.
ANGRY-9
Jim BELL
VE3DDY

613. WTB: 4-1000A socket and chimney

Yahoo group: glowbugradio
Date: 2010-07-22 13:50:09 UTC
From: geoff8122
Topic: 613 Message: 613

Im looking for the Eimac SK-510 plastic socket and a good chimney. Hopefully someone has them stashed away.

Carl
KM1H

614. Fw: [LesAmisduParaset] Paraset knobs

Yahoo group: glowbugradio
Date: 2010-07-23 18:40:41 UTC
From: Charlie , W5COV
Topic: 614 Message: 614

I received this information from a friend and thought that others on here might be interested .

I am in the process myself of gathering parts to build a Paraset replica .

USUAL DISCLAIMER , NO FINANCIAL INTEREST , ETC .

Charlie , W5COV

If anyone is interested in replica knobs for their home-brew paraset
(Bulgin Type K94) to give their project a bit of authenticity, then a guy called Geoff(G3YVF) who runs ' www.paraset.co.uk ' is contemplating getting some made up. The more people he gets to order the cheaper they will be. Geoff's not making any money out of this, no profit is being made. This is a one off and he says he probably wont be getting any more made up after this lot so if anyone is interested then you need to contact Geoff ASAP. Geoff can be contacted at from the email address on his website: 'paraset.co.uk'

615. Tempo-1 part needed

Yahoo group: glowbugradio
Date: 2010-07-31 22:00:51 UTC
From: Kenneth G. Gordon
Topic: 615 Message: 615

Would anyone have a main-tuning knob for a Tempo-1 transceiver lying about?

The Tempo transceivers appear to have been made by Yaesu for Henry radio.

I was just given a Tempo-1 with power supply and speaker. Might be useful as a backup rig...

Ken W7EKB

616. 14AVQ Antenna

Yahoo group: glowbugradio
Date: 2010-08-01 17:01:02 UTC
From: Ben Davis
Topic: 616 Message: 616

I am looking for the Three (3) blue slim type traps for the old HY-Gain 14AVQ vertical antenna. Does any one happen to have an old damaged one that still has the traps laying around.

Ben W6TCD
bfdavis@...

617. Re: [glowbugradio] Digest Number 184

Yahoo group: glowbugradio
Date: 2010-08-01 18:02:31 UTC
From: Ray
Topic: 617 Message: 617

Sorry Ken but I don't have one, however I used to run a Tempo1 and it was a very good radio. If you look inside bottom right corner of the meter face, you will see the Yaesu model nr FT-200. So, in your search, you might look for other Yaesu or Spectronics rigs of the late 60-early 70's such as the FTDX100,400,560, 570 as those knobs should be similar. good luck.

Ray, W5XE

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
former cw op USAFSS,kki73, kkj67, kmi66, kmi66a, kge22
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M GQRP 6115,ESX cw 016
ARCI-5784 fp #111 SKCC-1486 NCT2R El Paso,(FAR WEST)TEXAS

618. ART 13 Help

Yahoo group: glowbugradio
Date: 2010-08-06 14:20:05 UTC
From: Hiroki
Topic: 618 Message: 618

Hello,
I am new to this group.
I have been trying to restore an ART13, BC348s and other WWII era gears. Is there anyone within a driving distance who has experience working on these machines and is willing to help me? I live in Portola Valley, 30 miles south of San Francisco.
I am originally from JA and has been a ham since 1957.
Any help/info would be appreciated.
Hiroki AH6CY

619. Johnson Ranger, etc

Yahoo group: glowbugradio
Date: 2010-08-06 15:09:34 UTC
From: phil_ad5x
Topic: 619 Message: 619

Just found this group. I have a Johnson Ranger re-build project in the "Articles" section of my website at www.ad5x.com. Also there is an article on removing the front panel of the Ranger. There is a simple relay-based T/R switch, and a new QSK T/R switch article that I just added.

Phil - AD5X

620. Boatanchor Microphones FS

Yahoo group: glowbugradio
Date: 2010-08-14 18:35:58 UTC
From: Ken Simpson, W8EK
Topic: 620 Message: 620

Boatanchor Microphones For Sale:

Collins MM-1 Mobile Microphone
The Collins MM-1 is a pressure-operated dynamic microphone designed to fit your hand comfortably. This mike is engineered for maximum voice response, and its die-cast case is finished in brushed satin chrome. With its mounting button on the front, the MM-1 slips easily into a dashboard bracket supplied with the mike. When the MM-1 is removed from the dashboard bracket, the microphone is in position for instant transmission. A coiled cord is supplied with the 22-ounce microphone. The MM-1 has a frequency response from 200-10,000 cycles per second and has an output level of -48 db.
This one works fine; there are a couple extremely small pits (smaller than a pin head) on the chrome, but it looks very good. The coiled cord is probably a bit stiffer than when it was new. With PJ-068 connector for $100.

RCA equivalent to a Shure 444 desk microphone
Although the front of this mic says RCA on it, it looks like a Shure 444, and has a controlled reluctance element in it just like the Shure 444. My assumption is that it is a 444 with an RCA label.
Of course most of us know that the 444 is an extremely good communications microphone with great articulation.
This one works fine, and looks very nice. It has a 4 pin connector on it. $50

Shure 104 C, Low Z hand Microphone
This is a very heavy duty Shure mic. It appears to be new, with stripped and tinned ends that have never been on a connector. It is in its original box, with the original instruction manual. $30

Generic Hand Microphone
This is a low impedance hand microphone, black in color.
With 4 pin connector. $25
With no connector. $22

Lafayette EAM-15 dynamic hand microphone
2000 ohm impedance can be used any place a dynamic mic is needed. Stripped and tinned leads.
It works fine, and looks good also. $25

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5367 (20100814) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

621. 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-28 18:05:04 UTC
From: Ken Simpson, W8EK
Topic: 621 Message: 621

19 inch Relay Rack Shelves For Sale:

This black shelf in made to fit a standard 19 inch relay rack. The shelf itself is 17 5/8 inches wide (standard width for inside of the rack) by 18 inches. It attaches to the rack so that 4 inches of it extends in front of the rack and 14 inches behind the rack (or you could reverse it for 14 inches in front and 4 behind). It has vent holes so that equipment that is set on it can get some air. It requires 4 inches of rack space.

It is similar to one seen here
http://www.l-com.com/item.aspx?id=8487
or
http://www.rackmounts.com/Middle-Atlantic-U2MS-DF2984.html
except 4 inches of it extends past the mounting point.

These are in extremely good condition. I can not find a scratch on them. They look new. Two are available. Buy one for $35, or both together for $65.

Other boat anchor items:

Collins MM-1 Mobile Microphone
The Collins MM-1 is a pressure-operated dynamic microphone designed to fit your hand comfortably. This mike is engineered for maximum voice response, and its die-cast case is finished in brushed satin chrome. With its mounting button on the front, the MM-1 slips easily into a dashboard bracket supplied with the mike. When the MM-1 is removed from the dashboard bracket, the microphone is in position for instant transmission. A coiled cord is supplied with the 22-ounce microphone. The MM-1 has a frequency response from 200-10,000 cycles per second and has an output level of -48 db.
This one works fine; there are a couple extremely small pits (smaller than a pin head) on the chrome, but it looks very good. The coiled cord is a bit stiffer than when it was new.
With PJ-068 connector (0.206 inch plug) for $100.

RCA equivalent to a Shure 444 desk microphone
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Lafayette EAM-15 dynamic hand microphone
2000 ohm impedance can be used any place a dynamic mic is needed. Stripped and tinned leads.
It works fine, and looks good also. $25

Wattmeters and SWR Bridges:

MFJ 815 Cross Needle Wattmeter
The MFJ-815 cross-needle meter allows you to monitor both forward and reflected power, and SWR simultaneously. There are buttons to select power ranges of 20/200/2000 watts forward and 5/50/500 watts reflected.
Frequency coverage is 1.8 to 60 MHz, so it covers 6 meters in addition to the HF bands, making it ideal for some of the new rigs that include 6 meters.
There is a meter light that requires a source of 12 V DC.
This particular unit works fine, and looks extremely good.
With paper work for $50.

HF Digital Peak and Average Reading Wattmeter
Radio Shack MTA-20 (21-527) Digital Wattmeter will read either peak or average power. It is a digital meter with no moving parts, although it does have a sort of analog bar graph on it. It is rated to cover 1.8 thru 30 MHz, so it covers all of the HF bands. It will measure up to 2000 Watts, in ranges of 2000, 200, or 20. It will also indicate SWR, which requires at least 1/2 Watt. It has a nice back light, and requires 13 V DC for operation. There is about a 3 foot cable between the digital display and the remote sensor. This is a great meter.
This particular meter is in its original box, and appears to not have been used. It has been tested, and works fine. $100

SWR Bridges:

Quement SWB-2 Dual Meter
This unit features two separate meters -- one for reading forward power and another for reading SWR. This permits one to easily monitor both the power going out, and the SWR on the antenna.
It has SO-239 connectors on each end.
It will work on HF, and VHF, covering 3 to 150 MHz, so is ideal for the new rigs that include 6 and 2 meters.
Works fine and looks great. With paper work for $40

ThordTest SWFS-2 SWR Bridge / Field Strength Meter
This is an HF SWR Bridge, but it can be used up thru 2 meters, with slightly reduced accuracy. It is also a field strength meter. SO-239 connectors.
This one works fine, and looks extremely nice. It is in original box, with original instruction sheet, and antenna. $30

HyGain 18 HT HyTower HF Vertical Antenna:

The HyGain HyTower HF vertical covers 80, 40, 20, 15, and 10 meters. The WARC bands (and 160 meters) can be added, but are not a part of this antenna at present. This is an extremely rugged antenna, consisting of about 30 feet of actual tower, with additional stubs for tuning.

Automatic band selection is achieved through a unique stub decoupling system so that an electrical 1/4 wavelength (or odd multiple) exists on all bands. Unity gain on 20, 40, 80; 2 dB on 10 and 15 Meters.

This particular antenna is in extremely good condition. It has stainless steel hardware. The galvanizing on the tower is very good. As far as I know all hardware is included. The base insulators are new.

Due to size, this is pick up only, near Ocala FL, close to I-75.

This antenna sells for about $1000 new. With paper work for $450.

Lightning Protectors:

"Blitz Bug" Lighting protectors
These are not as sophisticated as the Polyphaser below, but still protect against lightning. Two versions are available. One has an SO-239 connector on each end. The other has a PL-259 on one end and an SO-239 on the other end. Take your choice for $8 each.

Polyphaser IS-VU50HN-MA Lightning Protector

Polyphaser is well know for extremely good lightning protection equipment. This coaxial antenna protector is designed to be inserted in the coaxial cable at the bottom of a tower.
This unit has two SO-239 connectors, and is rated to take 750 Watts from 50 to 300 MHz and from 380 to 550 MHz.

This particular unit includes the spec sheet, and appears that it might not have been used. It is not oxidized, or corroded. $55.

Coax connectors and adapters:

Prices are per connector. Several of each are available.
These are NOS (have not been used).

BNC male for coax cable
standard type - $2
crimp on type - $3

Chassis mount BNC female
square mount (uses 4 screws) - $3
screw in type - $3

BNC "T" - two female and one male - $3

Antenna adapter to fit the BNC connector on the HT
and provide an SO-239 connector that will permit
a PL-259 to be attached. (BNC male to UHF female) $5

UHF Male (PL-259) to BNC female (opposite of above) $5
-
UHF double female "Barrel connector" (two SO-239 together) $3

UHF "T" connector with two female (SO-239) and one male
(PL-259) connection - $5

Antenna adapter for Kenwood TH-21/31/41 HTs
Adapts the antenna connector found on these HTs to a
standard PL-259 connector. $8

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
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_____ Information from ESET NOD32 Antivirus, version of virus signature database 5404 (20100828) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

622. Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-28 18:09:06 UTC
From: Kenneth G. Gordon
Topic: 621 Message: 622

Ken:

glowbugs@... no longer exists. Please
remove that address from you address book.

Ken Gordon W7EKB
SYSAD for Piobaire.

On 28 Aug 2010 at 14:05, Ken Simpson, W8EK wrote:

>
>
>
> 19 inch Relay Rack Shelves For Sale:
>
> This black shelf in made to fit a standard 19 inch relay rack.
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> Ken Simpson
> E-mail to W8EK@... or W8EK@...
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> __________ Information from ESET NOD32 Antivirus, version of virus signature database
5404
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>
> http://www.eset.com
>
>
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623. RE: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-28 20:02:59 UTC
From: D C *Mac* Macdonald
Topic: 621 Message: 623

I have been searching for one of the "desktops" that
mount to a 19" rack cabinet. I remember many of them
from back in the 60s during the early years of my
US Air Force career, but they seem to have totally
disappeared since then. They had "rounded" edges
and a special "writing surface" on them.

Any ideas, anybody? I'm looking for one to sit just
below a National HRO-60R in a 4' Bud floor cabinet.

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~ 73 - Mac, K2GKK/5 ~
~ (Since 30 Nov 53) ~
~ Oklahoma City, OK ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

* "An unarmed man can but flee *
* from evil. Evil can NEVER be *
* overcome by flight FROM it." *

To: glowbugradio@yahoogroups.com
From: KenW8EK@gmail.com
Date: Sat, 28 Aug 2010 14:05:04 -0400
Subject: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

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except 4 inches of it extends past the mounting point.

These are in extremely good condition. I can not find a scratch
on them. They look new. Two are available. Buy one for $35,
or both together for $65.

Other boat anchor items:

>> Snipped text was here. <<

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

624. Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-28 20:18:59 UTC
From: N2EY@aol.com
Topic: 621 Message: 624

In a message dated 8/28/2010 4:04:05 P.M. Eastern Daylight Time,
k2gkk@... writes:

I have been searching for one of the "desktops" that
mount to a 19" rack cabinet.

Take a look at QST for November 1961, page 62. W6HHT built a table/shelf
around a 6 foot floor rack. Looks really nifty!

73 de Jim, N2EY

625. Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-28 20:29:58 UTC
From: Jim
Topic: 621 Message: 625

Be aware that surplus 19" racks turn up regularly in high-tech. CraigsList is a good place to watch, especially the "free" section. I got a double-sided "Frankenstein" (7 foot) Sun server rack for free a while back. Obviously your mileage may vary, but there seem to be only two kinds of people in the market of 19" racks -- people willing to pay darn good money for them, and people willing to give them away so they don't have to pay to haul them off.

Oh yeah -- the last time I saw ANY 19" racks at auction, I came home with 20 of them for something like $50, and had to send them all to the junkyard (and I ate the purchase price) six months later because nobody in this small town of 1000 hams and 900,000 people in the metro area wanted them.

Jim N6OTQ
Austin TX

>
>From: "N2EY@..." <N2EY@...>
>To: glowbugradio@yahoogroups.com
>Sent: Sat, August 28, 2010 3:18:59 PM
>Subject: Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS
>
>
>
>In a message dated 8/28/2010 4:04:05 P.M. Eastern Daylight Time,
>k2gkk@... writes:
>I have been searching for one of the "desktops" that
>>mount to a 19" rack cabinet.
>Take a look at QST for November 1961, page 62. W6HHT built a table/shelf around
>a 6 foot floor rack. Looks really nifty!
>

626. RE: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-28 21:58:56 UTC
From: D C *Mac* Macdonald
Topic: 621 Message: 626

Hi, Jim (N6OTQ).

Well, I have the rack (with casters, even). Just need the desk-shelf.

And for N2EY, all my QSTs from back then went away after a tornado
back on 3 May '99, even if I wanted something so large.

Thanks for the replies, folks.

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~ 73 - Mac, K2GKK/5 ~
~ (Since 30 Nov 53) ~
~ Oklahoma City, OK ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

To: glowbugradio@yahoogroups.com
From: n6otq@...
Date: Sat, 28 Aug 2010 13:29:58 -0700
Subject: Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Be aware that surplus 19" racks turn up regularly in high-tech. CraigsList is a good place to watch, especially the "free" section. I got a double-sided "Frankenstein" (7 foot) Sun server rack for free a while back. Obviously your mileage may vary, but there seem to be only two kinds of people in the market of 19" racks -- people willing to pay darn good money for them, and people willing to give them away so they don't have to pay to haul them off.

Oh yeah -- the last time I saw ANY 19" racks at auction, I came home with 20 of them for something like $50, and had to send them all to the junkyard (and I ate the purchase price) six months later because nobody in this small town of 1000 hams and 900,000 people in the metro area wanted them.

Jim N6OTQ
Austin TX

From: "N2EY@..." <N2EY@...>
To: glowbugradio@yahoogroups.com
Sent: Sat, August 28, 2010 3:18:59 PM
Subject: Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

In a message dated 8/28/2010 4:04:05 P.M. Eastern Daylight Time, k2gkk@... writes:
I have been searching for one of the "desktops" that
mount to a 19" rack cabinet.

Take a look at QST for November 1961, page 62. W6HHT built a table/shelf around a 6 foot floor rack. Looks really nifty!

627. Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-28 22:24:22 UTC
From: Jim
Topic: 621 Message: 627

It should be a simple enough design project to craft a desk top to fit into a rack.

Places like Container Store and IKEA (if you have them in town) might offer some really smart design ideas, and even have some stuff that can be adapted.

Of course, most of my best builder supplies come from the scrap heap -- my favorite freebie is old bed frames.

Best wishes on your project, Mac.

Jim N6OTQ

----- Original Message ----
> From: D C *Mac* Macdonald <k2gkk@...>
> To: Glowbug Radio <glowbugradio@yahoogroups.com>
> Sent: Sat, August 28, 2010 4:58:56 PM
> Subject: RE: [glowbugradio] 19 inch rack shelf and other boatanchor items FS
>
>
> Hi, Jim (N6OTQ).
>
> Well, I have the rack (with casters, even). Just need the desk-shelf.
>
> And for N2EY, all my QSTs from back then went away after a tornado
> back on 3 May '99, even if I wanted something so large.
>
> Thanks for the replies, folks.
>
> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
> ~ 73 - Mac, K2GKK/5 ~
> ~ (Since 30 Nov 53) ~
> ~ Oklahoma City, OK ~
> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
>

628. Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-28 23:31:38 UTC
From: Charles MacDonald
Topic: 621 Message: 628

On 10-08-28 06:24 PM, Jim wrote:
> It should be a simple enough design project to craft a desk top to fit into a
> rack.

http://www.hammondmfg.com/racks.htm might give you some ideas.

> Places like Container Store and IKEA (if you have them in town) might offer some
> really smart design ideas, and even have some stuff that can be adapted.
>
> Of course, most of my best builder supplies come from the scrap heap -- my
> favorite freebie is old bed frames.
>
> Best wishes on your project, Mac.
>
> Jim N6OTQ
>
>
> ----- Original Message ----
>> From: D C *Mac* Macdonald<k2gkk@...>
>> To: Glowbug Radio<glowbugradio@yahoogroups.com>
>> Sent: Sat, August 28, 2010 4:58:56 PM
>> Subject: RE: [glowbugradio] 19 inch rack shelf and other boatanchor items FS
>>
>>
>> Hi, Jim (N6OTQ).
>>
>> Well, I have the rack (with casters, even). Just need the desk-shelf.
>>
>> And for N2EY, all my QSTs from back then went away after a tornado
>> back on 3 May '99, even if I wanted something so large.
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>> Thanks for the replies, folks.
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>> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
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>> ~ Oklahoma City, OK ~
>> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
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> Yahoo! Groups Links
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Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

629. RE: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-29 00:17:22 UTC
From: D C *Mac* Macdonald
Topic: 621 Message: 629

Thanks, Charles, but nothing I find in the
Hammond catalog is what I have in mind.
I'm also certain that it would be far more
costly than what I wish to pay.

At one time, the US Air Force used many of
the items for which I search. They simply
bolted on to the front side of the racks and
provided a "work surface" for personnel
who would be seated at these consoles.

The actual width of these "desktops" would
be approximately that of the rack cabinet
and offer adequate space for a log book,
morse key, microphone, etc.

Intended use is for a rack model National
HRO-60 with maybe an old Johnson, Eico,
or other boat anchor AM/CW transmitter.
I have quite a collection of these!

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~ 73 - Mac, K2GKK/5 ~
~ (Since 30 Nov 53) ~
~ Oklahoma City, OK ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

To: glowbugradio@yahoogroups.com
CC: n6otq@...
From: aa508@...
Date: Sat, 28 Aug 2010 19:31:38 -0400
Subject: Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

On 10-08-28 06:24 PM, Jim wrote:

> It should be a simple enough design project to craft a desk top to fit into a
> rack.

http://www.hammondmfg.com/racks.htm might give you some ideas.

> Places like Container Store and IKEA (if you have them in town) might offer some
> really smart design ideas, and even have some stuff that can be adapted.
>
> Of course, most of my best builder supplies come from the scrap heap -- my
> favorite freebie is old bed frames.
>
> Best wishes on your project, Mac.

>
> Jim N6OTQ

630. Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-29 00:23:17 UTC
From: Charles MacDonald
Topic: 621 Message: 630

On 10-08-28 08:17 PM, D C *Mac* Macdonald wrote:
>
> Thanks, Charles, but nothing I find in the
> Hammond catalog is what I have in mind.
> I'm also certain that it would be far more
> costly than what I wish to pay.
>

I figured if you saw what you liked, it might be something that could be
fabricated.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

631. Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

Yahoo group: glowbugradio
Date: 2010-08-29 02:27:13 UTC
From: Carl
Topic: 621 Message: 631

Ive seen the racks and table at the local electronics surplus warehouse.
Often used as a test station with a VNA and other goodies in the rack when
in use. Typically $50 for the full setup.

Carl

------ Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com
Cc: Jim
Sent: Saturday, August 28, 2010 7:31 PM
Subject: Re: [glowbugradio] 19 inch rack shelf and other boatanchor items FS

On 10-08-28 06:24 PM, Jim wrote:
> It should be a simple enough design project to craft a desk top to fit
> into a
> rack.

http://www.hammondmfg.com/racks.htm might give you some ideas.

> Places like Container Store and IKEA (if you have them in town) might
> offer some
> really smart design ideas, and even have some stuff that can be adapted.
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> Of course, most of my best builder supplies come from the scrap heap -- my
> favorite freebie is old bed frames.
>
> Best wishes on your project, Mac.
>
> Jim N6OTQ
>
>
> ----- Original Message ----
>> From: D C *Mac* Macdonald<k2gkk@...>
>> To: Glowbug Radio<glowbugradio@yahoogroups.com>
>> Sent: Sat, August 28, 2010 4:58:56 PM
>> Subject: RE: [glowbugradio] 19 inch rack shelf and other boatanchor items
>> FS
>>
>>
>> Hi, Jim (N6OTQ).
>>
>> Well, I have the rack (with casters, even). Just need the desk-shelf.
>>
>> And for N2EY, all my QSTs from back then went away after a tornado
>> back on 3 May '99, even if I wanted something so large.

>>
>> Thanks for the replies, folks.
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>> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
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> Yahoo! Groups Links
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Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

632. Code practice on the air.

Yahoo group: glowbugradio
Date: 2010-09-04 04:09:10 UTC
From: Kenneth G. Gordon
Topic: 632 Message: 632

I have been toying with the idea of sending code-practice for some of the locals here on 80, 40, and 2 meters.

I have one of those military keyers like the TG-34, and 30 tapes for it, and a rebuilt Instructograph with 65 tapes.

I also have two of those Ryan Communications MOPA transistor crystal-controlled transmitters, one for 80 and one for 40, and a small 2 meter FM rig.

I am thinking that it might be a better idea to use some sort of computer Morse program that would send code from a text file.

But, I don't know what software would do what I want.

Does anyone know? Suggestions?

Ken Gordon W7EKB

633. Re: [glowbugradio] Code practice on the air.

Yahoo group: glowbugradio
Date: 2010-09-06 13:38:38 UTC
From: John Ressue
Topic: 632 Message: 633

Ken, I like the CW_Player version 3.3.4 (it's the latest version) that is free online..it was written by a ham and it's great! I don't know if you would need permision, but the website is full of info. Google it and you will find it! Code forever!!! lol It's a great idea...where would you be broadcastig from???
Later John Ressue

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Sat, September 4, 2010 12:09:10 AM
Subject: [glowbugradio] Code practice on the air.

I have been toying with the idea of sending code-practice for some of the locals here on 80, 40, and 2 meters.

I have one of those military keyers like the TG-34, and 30 tapes for it, and a rebuilt Instructograph with 65 tapes.

I also have two of those Ryan Communications MOPA transistor crystal-controlled transmitters, one for 80 and one for 40, and a small 2 meter FM rig.

I am thinking that it might be a better idea to use some sort of computer Morse program that would send code from a text file.

But, I don't know what software would do what I want.

Does anyone know? Suggestions?

Ken Gordon W7EKB

634. Re: [glowbugradio] Code practice on the air.

Yahoo group: glowbugradio
Date: 2010-09-06 18:24:19 UTC
From: Kenneth G. Gordon
Topic: 632 Message: 634

On 6 Sep 2010 at 6:38, John Ressue wrote:

>
>
> Ken, I like the CW_Player version 3.3.4 (it's the latest version) that
> is free online..it was written by a ham and it's great! I don't know
> if you would need permision, but the website is full of info. Google
> it and you will find it! Code forever!!! lol It's a great idea...where
> would you be broadcastig from??? Later John Ressue

Thanks for the info, John. Doing a google for "morse code sending software"
returns many, many hits. From experience, I know that MOST of those are
not what I want.

I'll be doing this from Moscow, Idaho. Hopefully, the low power and
purposely-crappy antenna system will result in very short range.

There are several good code practice stations on the air already, and I don't
intend to attempt to compete with them. This effort is ONLY for the locals
and is an attempt to coordinate with the two local University ham clubs.

There is one particular "machine" I hope to aquire in the near future: it is the
AEA MM-3. AEA was the same company who made the excellent PK-232.
Trouble is, every one of those MM-3s I run across sells for far more than I
feel I should afford.

I now have three of the military "Keyers": two TG-34As and one KY-127/GG.
Neither TG-34A works, but until I get my shop/shack finished, I won't attempt
to fix them. The KY-127/GG works just fine.

And I have two sets of 15 tapes for them.

I'll post the text to my website when I get set up so that users of my "service"
can check their copy.

Hopefully, the service will prove useful to someone.

Ken Gordon W7EKB

635. Re: [glowbugradio] TG-34A and KY-127/GG

Yahoo group: glowbugradio
Date: 2010-09-06 18:44:49 UTC
From: Kenneth G. Gordon
Topic: 632 Message: 635

For those interested, the TG-34A is based on a design by Ted McElroy. It uses an LC circuit and a 6C5 triode as the basic 800 Hz sine-wave oscillator. The oscillator runs continuously, and the output of the 6C5 is fed to one grid of a 6L7 mixer tube.

Another grid of the mixer tube is connected to a photo-tube, which acts as a switch to turn the mixer on and off.

The photo-tube is activated by a strong light focused on and shining through an inked paper tape. The inked line blocks the light until a "dot" or a "dash" appears when the line is "moved" out of the way to let enough light through to key the mixer's output.

The output of the mixer is then fed to a 6V6 output tube which is connected to an output transformer, which has a capacitor across its primary to "tune" it to 800 Hz.

According to the TG-34A manual, MOST of the problems with the unit not keying are related to something in the 6L7 stage. This "mixer" idea seems to me to be overly complex for what is needed.

In the later model TG-34B, TG-34C and KY-127/GG, the separate oscillator and mixer tubes are both replaced by a single 6SL7 dual triode, and the LC circuit for the oscillator is replaced by a simpler and more reliable RC phase-shift network.

The "other half" of the 6SL7 is set up as a simple switch, not a mixer, and the photo-tube operates much the same as in the earlier model of keyer.

Output and power supply circuitry remain almost identical as the early model, as does all the mechanicals.

The speed control is set up very ingeniously in that the speed of transmission can be set fairly precisely, and it remains as set, never varying as the much simpler Instructograph machines do.

In the Instructograph machines and their ilk, the take-up spool gets larger in diameter as the tape is wound onto it, and thus the machines send faster and faster as the tape unwinds from one spool and is wound onto the take up spool.

I suppose, in a certain sense, this can be an "advantage" in that receiving speed increases as practice continues, but the Instructograph speed control is very crude at best and it is very difficult to set a speed to begin with.

Nonetheless, I used an Instructograph to get my code speed up from 5 WPM to over 13 WPM in less than two months when I moved from my Novice to a Conditional license when I was about 14 back in 1957.

Ken Gordon W7EKB

636. I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-08 01:49:26 UTC
From: Pigman
Topic: 636 Message: 636

Well, I just got banned for telling the truth on the other Google Glow Bug list. I said it like it is and then was told I could stay a member if I apologized. I decided to not compromise my convictions. I'm sure many read my post on the other reflector. The other list owner decided to stick with his Communist buddy and not with a US Army veteran. That is his choice. I am not sorry for saying what I said.

Please don't make this a reflector topic on here. I just wanted to let others know what happened.

I love ham radio and many aspects to it including boat anchors and glow bug rigs. I'm glad to be part of this group besides being a proud American. I'll treat the next guy as I would want to be treated but not to a guy representing a government who would point Nucs at my country.

Lee, w0vt

637. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-08 13:51:51 UTC
From: Carl
Topic: 636 Message: 637

Ken should have pulled the plug on that group years ago; or at least exercise some control over the head nazi.

Yahoo groups dont show up on search engines so whats said here pretty much stays here unless its copied somewhere. I really dont care what Conehead thinks; I made my views well known over there several years ago.

Carl

------ Original Message -----
From: Pigman
To: glowbugradio@yahoogroups.com
Sent: Tuesday, September 07, 2010 9:49 PM
Subject: [glowbugradio] I was Banned!

Well, I just got banned for telling the truth on the other Google Glow Bug list. I said it like it is and then was told I could stay a member if I apologized. I decided to not compromise my convictions. I'm sure many read my post on the other reflector. The other list owner decided to stick with his Communist buddy and not with a US Army veteran. That is his choice. I am not sorry for saying what I said.

Please don't make this a reflector topic on here. I just wanted to let others know what happened.

I love ham radio and many aspects to it including boat anchors and glow bug rigs. I'm glad to be part of this group besides being a proud American. I'll treat the next guy as I would want to be treated but not to a guy representing a government who would point Nucs at my country.

Lee, w0vt

638. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-08 19:30:16 UTC
From: Kenneth G. Gordon
Topic: 636 Message: 638

On 8 Sep 2010 at 9:51, Carl wrote:

> Ken should have pulled the plug on that group years ago; or at least
> exercise some control over the head nazi.

It was not my list: I just provided hardware and software support for it.

In fact, I unsubscribed myself a number of years ago, mainly because 1) I was getting way too much unnecessary bullshit-flack from Chris Trask over the Pullen Mixer, and 2) it was taking way too much time away from REAL ham radio.

I didn't, and don't, miss it...

What is interesting about that list is that the man who started it, Boatanchor Bob Keys, left it many years ago and never returned to it.

I plan to properly characterize the Pullen Mixer on my own time, as I get to it, and when I publish the results, I am certain that those will shut down the dishonest sneaky arrogant obsessive self-promoting blowhard Mr. Trask for good.

Ken Gordon W7EKB

639. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-08 20:04:00 UTC
From: LEE BAHR
Topic: 636 Message: 639

Not too long ago Chris was promoting a very very simple CW transmitter. I can't remeber if it was for 40 or 80 meters. It was crystal controlled. Someone else who does PC boards layed out a really nice PC board for it and showed the list his layout. I believe he was going to sell it for a very nominal sum. (Very nominal when you take into account the cost of 3 or 4 drills you will break making one yourself). Chris went ballistic over this and the PC board was dropped. I never heard anything mentioned about this simple transmitter again nor anyone ever building one except for Chris.

Then there are the rants about modern Microsoft software and how it will never be used by him. Then a few days later you will here begging for help on how his really old computer has problems and how to get it going again. You sure don't want to print anything out from him because you need a sheet of paper just for his "art work" under his signature.

I found all this fairly humerous. Some people's egos are really big! I guess we all have our quirks. I know I have mine. Or at least, people tell me I have them. (I'm trying to be nice here as I have broken enough eggs the last couple of days)!

73,

Lee, w0vt

640. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-08 21:16:19 UTC
From: Kenneth G. Gordon
Topic: 636 Message: 640

On 8 Sep 2010 at 15:04, LEE BAHR wrote:

> I found all this fairly humerous. Some people's egos are really big! I
> guess we all have our quirks. I know I have mine. Or at least, people
> tell me I have them. (I'm trying to be nice here as I have broken
> enough eggs the last couple of days)!

I remember you from years past, Lee. You're one of the good guys. As I remember it, you were in the Navy for some time. If I have the right fellow, you were a Commander once.

It might interest you to know that Carl Heuter, KM1H, the manager of this list, was also in the Navy. He was a Chief, I think.

Ken W7EKB

641. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-09 02:44:48 UTC
From: LEE BAHR
Topic: 636 Message: 641

Things seem slow, so I'll bring up one of my Glow Bug projects. That is, a Philmore NC-200 clone. (You can find the manual on BAMA). It was a 6V6 osc, 6L6 amp with pi net powered by another power supply chassis using a 5Y3 rectifier. Both Chassis were made out of aluminum having no paint and "U" shaped. I think the thing sold for around $25. As a young 15 year old kid in 1953, I didn't have the bucks to buy a Philmore as my friend, now W5DXS, purchased. Instead I bought a clone called an "Eagle" from Burstein-Applebee in Kansas City for considerably less money. It had the same layout and schematic except it used a lot of surplus parts. I also talked my friend, who never became a ham, into buying one. My Eagle is long gone. A few years ago this friend gave me his built but unused "Eagle" transmitter which is in pritty rough looking shape. That got me thinking of building up a Philmore NT-200 clone with some improvements like using a 6AG7 tube for the osc and putting on a real PL-259 coax connector and using Jones plugs/jacks between the transmitter and power supply. Maybe another Jones plug/jack with a jumper for a "some day" plate modulator to be added on to another "U" shaped chassis. I have gathered all the parts but have not as yet put it together.

Here is some information I put together for gathering some of the parts.:

I recently had some chassis made up for a clone Philmore NT-200 at Byer's chassis and Kits. http://home.flash.net/~k3iwk/ I plan to build one up but the oscillator will be a 6AG7 as it is easier on crystals. Also the output will have a SO-239 coax bulkhead connector. You can buy a transformer and choke from Antique Electronic Supply. If you want a can electrolytic, they have them too. http://tubesandmore.com/ They also have the clip in lamp holders as well as 2.5 mH chokes. The coils I am going to use have octal bases. You can buy three of them from Peebles Originals for $13.50. http://peeblesoriginals.com/ Wind one for 160, 80, 40, 30 meters. Philmore even used it on 15 meters but I would not try to do this. I like to buy the variables from Crystal Radio Supply http://www.crystalradiosupply.com/index1.html . You want the S2 caps made by Oren Elliott. I will use Jones plugs between the transmitter and power supply. I will have an extra Jones plug on the power supply to accommodate a plate modulator on another chassis. The Jones plugs going out of the power supply to the transmitter will be a female bulkhead connector. The Jones plug bulkhead connector for the modulator on the power supply will be female with a male jumper Jones plug when no modulator is used. On the transmitter I will use a male Jones bulkhead connector for power . Probably install a ground lug on the transmitter chassis too. I will use no dials on the variables unless I paint and silk screen the chassis. (I bought new in 1953 an Eagle transmitter put out by Burstein-Applebee in Kansas City. It had the same circuit with again an unpainted chassis and it had no dials. Just knobs on the variables. I still have my friend's Eagle he bought at the same time I bought mine. The Eagle looked just like a Philmore but it used an 80 rectifier which is a 4 pin version of the 5Y5 GT rectifier. It's tuning lamp was a neon lamp rather then a 47 pilot light but it was the same size as the 47 lamp and went into the same bayonett holder. Otherwise it was the same. The power plug on it was an octal affair with octal end cap on the plug). You can buy Chicken Head knobs from AES too.

If you have not gone to BAMA and downloaded the manual I suggest you at least look at it. It's a very nice complete manual in color and the design is very classic. What is nice is

most parts can still be purchased new if you need these. I'll send anyone the NT-200 manual download if someone on here can't access BAMA. This project is actually much more useful then building up an Ameco AC-1 clone but is similar in scope.

Hope this has some interest.

Lee, w0vt
Houston

642. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-09 03:11:09 UTC
From: Charlie , W5COV
Topic: 636 Message: 642

Lee ,

The BAMA site appears to be down for a while .

I would be interested in adding the NT-200 to my project list . It will be a late winter project , so I have plenty of time to gather parts for it .

Somehow over the years , that is one transmitter that I have never had the occasion to own or operate .

Charlie , W5COV

643. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-09 03:13:30 UTC
From: LEE BAHR
Topic: 636 Message: 643

Charlie:

Do you want me to send the file directly to you?

Lee, w0vt

----- Original Message -----
From: Charlie , W5COV
To: glowbugradio@yahoogroups.com
Sent: Wednesday, September 08, 2010 10:11 PM
Subject: Re: [glowbugradio] I was Banned!

Lee ,

The BAMA site appears to be down for a while .

I would be interested in adding the NT-200 to my project list . It will be a late winter project , so I have plenty of time to gather parts for it .

Somehow over the years , that is one transmitter that I have never had the occasion to own or operate .

Charlie , W5COV

644. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-09 03:16:04 UTC
From: Kenneth Grimm
Topic: 636 Message: 644

Yes, Charlie, the original BAMA site is down. However, the mirror site is still running full speed at http://bama.edebris.com .

73,

Ken - K4XL
BAMA

On Wed, Sep 8, 2010 at 11:11 PM, Charlie , W5COV <cvest@...> wrote:

>
>
> Lee ,
>
> The BAMA site appears to be down for a while .
>
> I would be interested in adding the NT-200 to my project list . It will be
> a late winter project , so I have plenty of time to gather parts for it .
>
> Somehow over the years , that is one transmitter that I have never had the
> occasion to own or operate .
>
> Charlie , W5COV
>
>
>
>

645. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-09 23:59:24 UTC
From: Gary Pewitt
Topic: 636 Message: 645

Lee, could you please send me a copy of the NT-200 manual. Thanks
Gary N9ZSV

On 9/8/2010 9:44 PM, LEE BAHR wrote:
>
> Things seem slow, so I'll bring up one of my Glow Bug projects. That
> is, a Philmore NC-200 clone. (You can find the manual on BAMA). It
> was a 6V6 osc, 6L6 amp with pi net powered by another power supply
> chassis using a 5Y3 rectifier. Both Chassis were made out of aluminum
> having no paint and "U" shaped. I think the thing sold for around
> $25. As a young 15 year old kid in 1953, I didn't have the bucks to
> buy a Philmore as my friend, now W5DXS, purchased. Instead I bought a
> clone called an "Eagle" from Burstein-Applebee in Kansas City for
> considerably less money. It had the same layout and schematic except
> it used a lot of surplus parts. I also talked my friend, who never
> became a ham, into buying one. My Eagle is long gone. A few years
> ago this friend gave me his built but unused "Eagle" transmitter
> which is in pritty rough looking shape. That got me thinking of
> building up a Philmore NT-200 clone with some improvements like using
> a 6AG7 tube for the osc and putting on a real PL-259 coax
> connector and using Jones plugs/jacks between the transmitter and
> power supply. Maybe another Jones plug/jack with a jumper for a "some
> day" plate modulator to be added on to another "U" shaped chassis. I
> have gathered all the parts but have not as yet put it together.
> Here is some information I put together for gathering some of the parts.:
> I recently had some chassis made up for a clone Philmore NT-200 at
> Byer's chassis and Kits. http://home.flash.net/~k3iwk/
> <http://home.flash.net/%7Ek3iwk/> I plan to build one up but the
> oscillator will be a 6AG7 as it is easier on crystals. Also the
> output will have a SO-239 coax bulkhead connector. You can buy a
> transformer and choke from Antique Electronic Supply. If you want a
> can electrolytic, they have them too. http://tubesandmore.com/ They
> also have the clip in lamp holders as well as 2.5 mH chokes. The
> coils I am going to use have octal bases. You can buy three of them
> from Peebles Originals for $13.50. http://peeblesoriginals.com/ Wind
> one for 160, 80, 40, 30 meters. Philmore even used it on 15 meters
> but I would not try to do this. I like to buy the variables from
> Crystal Radio Supply http://www.crystalradiosupply.com/index1.html
> . You want the S2 caps made by Oren Elliott. I will use Jones
> plugs between the transmitter and power supply. I will have an extra
> Jones plug on the power supply to accommodate a plate modulator on
> another chassis. The Jones plugs going out of the power supply to
> the transmitter will be a female bulkhead connector. The Jones plug
> bulkhead connector for the modulator on the power supply will be
> female with a male jumper Jones plug when no modulator is used. On

> the transmitter I will use a male Jones bulkhead connector for power
> . Probably install a ground lug on the transmitter chassis too. I
> will use no dials on the variables unless I paint and silk screen the
> chassis. (I bought new in 1953 an Eagle transmitter put out by
> Burstein-Applebee in Kansas City. It had the same circuit with again
> an unpainted chassis and it had no dials. Just knobs on the
> variables. I still have my friend's Eagle he bought at the same time
> I bought mine. The Eagle looked just like a Philmore but it used an
> 80 rectifier which is a 4 pin version of the 5Y5 GT rectifier. It's
> tuning lamp was a neon lamp rather then a 47 pilot light but it was
> the same size as the 47 lamp and went into the same bayonett holder.
> Otherwise it was the same. The power plug on it was an octal affair
> with octal end cap on the plug). You can buy Chicken Head knobs from
> AES too.
> If you have not gone to BAMA and downloaded the manual I suggest you
> at least look at it. It's a very nice complete manual in color and
> the design is very classic. What is nice is most parts can still be
> purchased new if you need these. I'll send anyone the NT-200 manual
> download if someone on here can't access BAMA. This project is
> actually much more useful then building up an Ameco AC-1 clone but
> is similar in scope.
> Hope this has some interest.
> Lee, w0vt
> Houston
>

646. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-10 00:31:28 UTC
From: Charlie , W5COV
Topic: 636 Message: 646

Lee ,

Does Byers have a ready made chassis set , or do you have to custom order it ?

Charlie , W5COV

647. Re: [glowbugradio] I was Banned!

Yahoo group: glowbugradio
Date: 2010-09-10 00:40:55 UTC
From: L L bahr
Topic: 636 Message: 647

I had to have him custom build them. He has no kit. In fact I didn't tell him what mine were going to be used for. I gave him the dimensions and also told him to put a 3/8 inward lip on the ends of the cassis rather then just have a stright vertical front and rear panel. Non stock, but it will be easier on the table and allow feet to be installed if wanted.

Lee, w0vt

----- Original Message -----
From: "Charlie , W5COV" <cvest@...>
To: glowbugradio@yahoogroups.com
Sent: Thursday, September 9, 2010 7:31:28 PM
Subject: Re: [glowbugradio] I was Banned!

Lee ,

Does Byers have a ready made chassis set , or do you have to custom order it ?

Charlie , W5COV

648. Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 01:15:22 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 648

Lee:

I notice on the diagram that someone has penciled in, in red, "Note: Do not use a 6L6 metal tube."

Might you know why that might be?

Also, IMHO, your choice of the 6AG7 over the 6V6 is an excellent idea.

Ken W7EKB

649. Philmore NC-200 clone - Chassis source

Yahoo group: glowbugradio
Date: 2010-09-10 02:15:58 UTC
From: Jim Larsen - AL7FS
Topic: 636 Message: 649

This is an interesting discussion but it really would help to update the Subject line to the subject being discussed. I use the subject lines to find items and the info on chassis sets is likely to be missed under the heading of "I was Banned." :-) Same goes for NC-200 clone.

Thanks.

Jim

Jim Larsen, AL7FS
Anchorage Alaska
907-345-3190
http://www.AL7FS.us/

On 9/9/2010 4:40 PM, L L bahr wrote:
>
>
> I had to have him custom build them. He has no kit. In fact I didn't
> tell him what mine were going to be used for. I gave him the dimensions
> and also told him to put a 3/8 inward lip on the ends of the cassis
> rather then just have a stright vertical front and rear panel. Non
> stock, but it will be easier on the table and allow feet to be installed
> if wanted.
>
> Lee, w0vt
>
>
> ----- Original Message -----
> From: "Charlie , W5COV" <cvest@...>
> To: glowbugradio@yahoogroups.com
> Sent: Thursday, September 9, 2010 7:31:28 PM
> Subject: Re: [glowbugradio] I was Banned!
>
> Lee ,
> Does Byers have a ready made chassis set , or do you have to custom
> order it ?
> Charlie , W5COV
>
>
>
>

650. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 02:46:39 UTC
From: L L bahr
Topic: 648 Message: 650

Hi Ken:

(I'm still not home). Yes I think I know why. The metal 6L6 has its shell hooked to pin 1. Philmore wired the 6L6 so there were not too many connections to each pin so a Novice could more easily wire the transmitter. Since a glass 6L6 doesn't have a grounded shell, they used pin 1 and pin 2 hooked together so there were not as many wires on one pin. I think the way they have the socket wired, there would be voltage on the metal shell if a metal tube were used. You certainly could wire the socket so this would not be the case. In fact as a dumb kid, I did buy and use a metal 6L6 with my Eagle. They wired the socket so there was no voltage on pin 1 and it was grounded. I bought the metal tube because I didn't know better. the transmitter was sold without tubes. The metal one cost a few cents more back then and as a kid I reasoned it must be a better tube if it cost more! Hate to tell you why I did it but that is what happened. Check out the manual pictori al diagram. I think it will show pin 1 was not grounded but strapped to pin 2 and if so, then the shell would be hot and not at ground potential. (I am writing all this from memory. I hope I remember correctly).

If you are thinking of building the transmitter, you will be very pleased with it's performance. I worked a huge amount of stations with my transmitter using a very low dipole on 80 and a little 40 back in the 50s with it. I had no chirps in my signal. The Eagle version used two dual 365 pf variable broadcast capacitors where the Philmore used two 100 pf single variables. 100 pf is not too cool for 80 meters. I guess they did it because they wanted to have a 15 meter rig for Novices to use back then as it was a Novice band. They should have used dual variables as Eagle. The loading cap in the Eagle strapped the two sections together. For the plate tuning cap I would use one section of the dual cap for say 30 and 40 meters. Then in the 80 and 160 meter plug in coil I would put in a jumper to two unused pins and this way strap the second section of the plate variable together with the first section. This

way you will have plenty of C for each band but not too much so the tuning becomes very touchy with lots of change with little knob movement.

Lee, w0vt

PS: Glad the Subject line got corrected. I made an initial mistake. I don't usually do that but I forgot to change it when I wrote the initial post.
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@ verizon .net>
To: glowbugradio @ yahoogroups .com
Sent: Thursday, September 9, 2010 8:15:22 PM
Subject: [glowbugradio] Philmore NT-200

Lee:

I notice on the diagram that someone has penciled in, in red, "Note: Do not use a 6L6 metal tube."

Might you know why that might be?

Also, IMHO, your choice of the 6AG7 over the 6V6 is an excellent idea.

Ken W7EKB

651. Re: [glowbugradio] Philmore NT-200 and other things

Yahoo group: glowbugradio
Date: 2010-09-10 04:05:53 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 651

On 9 Sep 2010 at 22:46, L L bahr wrote:

> (I'm still not home). Yes I think I know why. The metal 6L6 has its
> shell hooked to pin 1. Philmore wired the 6L6 so there were not too
> many connections to each pin so a Novice could more easily wire the
> transmitter. Since a glass 6L6 doesn't have a grounded shell, they
> used pin 1 and pin 2 hooked together so there were not as many wires
> on one pin. I think the way they have the socket wired, there would be
> voltage on the metal shell if a metal tube were used.

That makes sense. I have not looked closely at either the schematic nor the wiring diagram yet.

> If you are thinking of building the transmitter,

I am.

> you will be very
> pleased with it's performance.

I have always liked simple but elegant CW transmitters.

On my Glowbugs website, now at http://www.w7ekb.com/glowbugs/ I have published a PDF of that article which was first published in an early 1950s QST concerning crystal oscillators. In that article, it was proved conclusively that the 6AG7 was the best of those tubes chosen to test, which included the 6V6 among others. Use of the 6AG7 resulted in the lowest crystal current, and easiest starting oscillator.

Personally, I have never understood why anyone would use a beam-tube as an oscillator, especially as an electron-coupled oscillator. The beam-forming plates couple the cathode directly to the plate, thereby completely negating any ECO action whatever.

Practically every beam-tube made connects the beam-forming plates directly to the cathode internally. As I remember it, the only one that uses a separate pin for the BF plates is the 5763.

On another note, according to Pat Hawker's RSGB handbook, the proper choice of screen and plate voltages in a real ECO results in drift in opposite directions if that drift is caused by voltage changes on the screen and plate.

Interesting.

Ken W7EKB

652. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 05:03:08 UTC
From: LEE BAHR
Topic: 648 Message: 652

Well, I just got home, my DSL is woking again and Gary Pewitt has his NC-200 manual I just sent him direct. plus, the topic is now properly listed. Yes, Ken, the 6AG7 is a mutch better tube for the osc then the original 6V6. For those that are kind of new, the metal 6V6 and the always metal 6AG7 look the same in appearance but the 6AG7 is much easier on crystals then a 6V6. (However, their pin out are different). It is important to use the 6AG7 especially if you are going to try and use a smaller crystal or a fake FT-243 in this radio or any other similar transmitter. All you have to do is wire the octal socket per the other tube diagram. All the parts stay the same except for the pin out change between the 6V6 and 6AG7.

Hope everyone had a good day today! I just got home from working on my lake house. Had kind of a shock. The house is located in a small sub division on a lake with 50 homes within it. One of the families is made up of a 60 year old couple. The husband came home from work at 5:30 PM and found his wife dead on the living room sofa as if she were taking a nap. She had no health issues we knew about. Just goes to show you, you never know when your time is up!

Lee, w0vt

653. Re: [glowbugradio] Philmore NT-200 and other things

Yahoo group: glowbugradio
Date: 2010-09-10 06:04:52 UTC
From: LEE BAHR
Topic: 648 Message: 653

Ken:

The link to the discussion of crystal oscillators is broken on your web site.

Lee, w0vt

654. Slat Board transmitter (Back to Basics)

Yahoo group: glowbugradio
Date: 2010-09-10 06:30:04 UTC
From: LEE BAHR
Topic: 648 Message: 654

Ken and others:

As a kid in the early 50s my first transmitter was the "slat board" transmitter on a pine slat board chassis. I thought it was "cool" to paint the chassis with bright RED enamel paint and then use BLUE plastic covered wire for the honey comb coils. It did work, but I never used it to great extend as I had my "powerful" Eagle (6V6-6L6) transmitter!

I see you have the article on your web site http://www.w7ekb.com/glowbugs/ for the slat board transmitter.

For the last few years, I have been building my lake house almost totally myself. In it, I am installing all oak trim throughout the house. I've been gathering up "left over" oak scraps to build up a bunch of slat board transmitter chassis with these scraps. (Lots of 1 x 4s and 1 x 6s). I plan to stain them and poly coat them and then put the end blocks and top slats together using brass countersunk Phillips screws. (The Home Depot and Lowes have great thin oak boards around 1/4 inch thick which could be used for the slats). I'll use one for the transmitter, and one for the power supply. Since I have plenty of wood, I may build up a Philmore NT-200 and power supply for it on another set of slat board chassis. Maybe spiff it up with switches and real coax connector and even some Jones plugs and jacks. You could even build a modulator for a slat board Philmore NT-200 on a slat board chassis too. This would be very inexpensive and a real "show stopper" if done in stained oak with brass screws plus real connectors rather then fahnstock clips. Maybe even a real meter rather then the lamp in series with the final plate lead. Maybe even put in a pi-network rather then a link output and use plug in coils for more then one band operation.

Now I have to find the time!

73,

Lee, w0vt

655. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 12:59:08 UTC
From: Jim
Topic: 648 Message: 655

I recall that some metal 6L6s had the shell connection external to the socket base, so it would be possible to take one of these and cut the connection.

However, since one of the advantages of the grounded shell was to provide extra shielding, you'd permanently defeat this purpose on that tube.

73
Jim N6OTQ

>
>From: L L bahr <pulsarxp@...>
>To: glowbugradio@yahoogroups.com
>Sent: Thu, September 9, 2010 9:46:39 PM
>Subject: Re: [glowbugradio] Philmore NT-200
>
>
>
>
>Hi Ken:
>
>(I'm still not home). Yes I think I know why. The metal 6L6 has its shell
>hooked to pin 1. Philmore wired the 6L6 so there were not too many connections
>to each pin so a Novice could more easily wire the transmitter. Since a glass
>6L6 doesn't have a grounded shell, they used pin 1 and pin 2 hooked together so
>there were not as many wires on one pin. I think the way they have the socket
>wired, there would be voltage on the metal shell if a metal tube were used. You
>certainly could wire the socket so this would not be the case. In fact as a
>dumb kid, I did buy and use a metal 6L6 with my Eagle. They wired the socket
>so there was no voltage on pin 1 and it was grounded. I bought the metal tube
>because I didn't know better. the transmitter was sold without tubes. The
>metal one cost a few cents more back then and as a kid I reasoned it must be a
>better tube if it cost more! Hate to tell you why I did it but that is what
>happened. Check out the manual pictori al diagram. I think it will show pin 1
>was not grounded but strapped to pin 2 and if so, then the shell would be hot
>and not at ground potential. (I am writing all this from memory. I hope I
>remember correctly).
>

656. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 13:41:10 UTC
From: Carl
Topic: 648 Message: 656

I wonder how many of us have left skin behind on a hot metal 6F6, 6L6, 1614, or similar?

My first Novice rig was a 6AG7 and 6L6 and I invented new curse words at an early age.

Carl
KM1H

----- Original Message -----
From: L L bahr
To: glowbugradio@yahoogroups.com
Sent: Thursday, September 09, 2010 10:46 PM
Subject: Re: [glowbugradio] Philmore NT-200

Hi Ken:

(I'm still not home). Yes I think I know why. The metal 6L6 has its shell hooked to pin 1. Philmore wired the 6L6 so there were not too many connections to each pin so a Novice could more easily wire the transmitter. Since a glass 6L6 doesn't have a grounded shell, they used pin 1 and pin 2 hooked together so there were not as many wires on one pin. I think the way they have the socket wired, there would be voltage on the metal shell if a metal tube were used. You certainly could wire the socket so this would not be the case. In fact as a dumb kid, I did buy and use a metal 6L6 with my Eagle. They wired the socket so there was no voltage on pin 1 and it was grounded. I bought the metal tube because I didn't know better. the transmitter was sold without tubes. The metal one cost a few cents more back then and as a kid I reasoned it must be a better tube if it cost more! Hate to tell you why I did it but that is what happened. Check out the manual pictori al diagram. I think it will show pin 1 was not grounded but strapped to pin 2 and if so, then the shell would be hot and not at ground potential. (I am writing all this from memory. I hope I remember correctly).

If you are thinking of building the transmitter, you will be very pleased with it's performance. I worked a huge amount of stations with my transmitter using a very low dipole on 80 and a little 40 back in the 50s with it. I had no chirps in my signal. The Eagle version used two dual 365 pf variable broadcast capacitors where the Philmore used two 100 pf single variables. 100 pf is not too cool for 80 meters. I guess they did it because they wanted to have a 15 meter rig for Novices to use back then as it was a Novice band. They should have used dual variables as Eagle. The loading cap in the Eagle strapped the two sections together. For the plate tuning cap I would use one section of the dual cap for say 30 and 40 meters. Then in the 80 and 160 meter plug in coil I would put in a jumper to two

unused pins and this way strap the second section of the plate variable together with the first section. This

way you will have plenty of C for each band but not too much so the tuning becomes very touchy with lots of change with little knob movement.

Lee, w0vt

PS: Glad the Subject line got corrected. I made an initial mistake. I don't usually do that but I forgot to change it when I wrote the initial post.
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Thursday, September 9, 2010 8:15:22 PM
Subject: [glowbugradio] Philmore NT-200

Lee:

I notice on the diagram that someone has penciled in, in red, "Note: Do not use a 6L6 metal tube."

Might you know why that might be?

Also, IMHO, your choice of the 6AG7 over the 6V6 is an excellent idea.

Ken W7EKB

657. RE: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 15:47:20 UTC
From: D C *Mac* Macdonald
Topic: 648 Message: 657

My Novice rig was the Walter Ashe setup, also
with 6AG7 and 6L6 in the transmitter.

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~ 73 - Mac, K2GKK/5 ~
~ (Since 30 Nov 53) ~
~ Oklahoma City, OK ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

* "An unarmed man can but flee *
* from evil. Evil can NEVER be *
* overcome by flight FROM it." *

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Fri, 10 Sep 2010 09:41:10 -0400
Subject: Re: [glowbugradio] Philmore NT-200

I wonder how many of us have left skin behind on a hot metal 6F6, 6L6, 1614,
or similar?

My first Novice rig was a 6AG7 and 6L6 and I invented new curse words at an
early age.

Carl
KM1H

658. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 16:31:33 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 658

On 10 Sep 2010 at 9:41, Carl wrote:

>
>
> I wonder how many of us have left skin behind on a hot metal 6F6, 6L6,
> 1614, or similar?

I did.

> My first Novice rig was a 6AG7 and 6L6 and I invented new curse words
> at an early age.

My first Novice rig was a DX-35...

I suppose most of us have heard of the ham who ran something like 500 watts to a pair of push-pull metal 6L6s with the paint sanded off, mounted upside down in a tub of oil.

Ken W7EKB

659. Re: [glowbugradio] Philmore NT-200 and other things

Yahoo group: glowbugradio
Date: 2010-09-10 16:44:20 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 659

On 10 Sep 2010 at 1:04, LEE BAHR wrote:

>
>
> Ken:
>
> The link to the discussion of crystal oscillators is broken on your
> web site.
>
> Lee, w0vt

Thanks, Lee. I'll fix it asap.

Ken W7EKB

660. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 17:01:28 UTC
From: Charlie , W5COV
Topic: 648 Message: 660

This is refreshing to see a glowbug list , with real glowbug content .

I like too that the NT-200 is appearing to be a kind of group build . We need more things like this .

It gives us a chance to exchange ideas on the good and the bad points , based on our actual build , instead of completely trying to reverse engineer the entire project , BEFORE building it , to the point that nobody ever solders even one connection . I have seen that happen several times on other groups .

I agree completely on the 6AG7 . It is also surprisingly one of the "cheap" tubes . I am always on the lookout for them at hamfests and found a small box of NOS ones for $1 each .

I have a Paraset replica that I have to build up first , then I am on to the Philmore project . That gives me a little time to gather the parts , like the chassis and the transformer and choke . Thought I had the perfect transformer , but no 5 volt windings . Have to dig a little deeper .

Anyone have any suggestions for a simple receiver that would pair up with it nicely and still have decent performance ?

Maybe someone with more graphic experience than myself , can make a 0-100 "dial" transfer pattern that we can add for looks .

THIS is a GREAT group !!

Charlie , W5COV

661. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 17:40:47 UTC
From: John Ruccolo
Topic: 648 Message: 661

This is an enjoyable thread!

Two minor (transmitter-related) thoughts:

1) Wasn't the DX-35 notorious for blowing power transfomers? Back in the day, mine was OK on "Standby." But once I switched to "Transmit," the smoke began. A replacement DX-40 worked much better, but still was not as nice as a friend's brand-new DX-60.

2) Has anyone seen Verizon's "Rule the Air" logo? Looks like an obvious rip-off of the classic Globe King logo.

Regards,

John, KC2UAK

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Fri, September 10, 2010 12:31:33 PM
Subject: Re: [glowbugradio] Philmore NT-200

On 10 Sep 2010 at 9:41, Carl wrote:

>
>
> I wonder how many of us have left skin behind on a hot metal 6F6, 6L6,
> 1614, or similar?

I did.

> My first Novice rig was a 6AG7 and 6L6 and I invented new curse words
> at an early age.

My first Novice rig was a DX-35...

I suppose most of us have heard of the ham who ran something like 500 watts to a pair of push-pull metal 6L6s with the paint sanded off, mounted upside down in a tub of oil.

Ken W7EKB

662. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 18:10:32 UTC
From: Charlie , W5COV
Topic: 648 Message: 662

Yes that entire line of Heath transmitters , again if my old unreliable memory serves me , the DX-20 , 35 and even the 40 , all suffered from the minimal transformer .

I have a mint DX-35 along with a mint VF-1 VFO .

It is not recommended to power anything else with these , even the VFO , due to the transformer .

I have even heard of some people that use them as CW only transmitters , pulling out any extra tubes used in the AM section .

Luckily in my youth , when these transmitters were everywhere and very cheap , I used to pick them up and strip them out , because they made beautiful project cabinets . I still have one good transformer in my supply , for my DX-35 , just in case..... I treat the DX-35 with great care when I put it on the air .

I have also read of some people having luck getting the old transformer to come back to life , by turning it bottom side up and carefully heating it , until the potting is no longer solid and it will flow around a bare spot in the insulation on the inside of the transformer . Apparently if you catch it in time this is the common failure inside of the transformer .

I use the old DX-60 / HG10 all of the time and have for 20 or more years and never had an issue with them .

Charlie , W5COV

663. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 18:48:22 UTC
From: Carl
Topic: 648 Message: 663

Include me as another who removed the audio tubes from his DX-35 about 50 years ago and it still works but I rarely use it. I also changed the 5U4 to a 5R4 to save 5W.

I also have a DX-60/HG-10B with modified audio to drive various linears plus a Globe Chief 90A/755A, Viking Adventurer/122, and a couple of Meissner early and late Signal Shifters when I run QRP. Obviously Ive little use for crystal control (-;

Carl
KM1H

------ Original Message -----
From: Charlie , W5COV
To: glowbugradio@yahoogroups.com
Sent: Friday, September 10, 2010 2:10 PM
Subject: Re: [glowbugradio] Philmore NT-200

☐
Yes that entire line of Heath transmitters , again if my old unreliable memory serves me , the DX-20 , 35 and even the 40 , all suffered from the minimal transformer .

I have a mint DX-35 along with a mint VF-1 VFO .

It is not recommended to power anything else with these , even the VFO , due to the transformer .

I have even heard of some people that use them as CW only transmitters , pulling out any extra tubes used in the AM section .

Luckily in my youth , when these transmitters were everywhere and very cheap , I used to pick them up and strip them out , because they made beautiful project cabinets . I still have one good transformer in my supply , for my DX-35 , just in case..... I treat the DX-35 with great care when I put it on the air .

I have also read of some people having luck getting the old transformer to come back to life , by turning it bottom side up and carefully heating it , until the potting is no longer solid and it will flow around a bare spot in the insulation on the inside of the transformer . Apparently if you catch it in time this is the common failure inside of the transformer .

I use the old DX-60 / HG10 all of the time and have for 20 or more years and never had an issue with them .

Charlie , W5COV

664. Re: [glowbugradio] Philmore NT-200 and DX-35 issues

Yahoo group: glowbugradio
Date: 2010-09-10 19:26:17 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 664

On 10 Sep 2010 at 10:40, John Ruccolo wrote:

> Two minor (transmitter-related) thoughts:
>
> 1) Wasn't the DX-35 notorious for blowing power transfomers?

Boy! You can say that again! I lost two within two years and since I couldn't afford another one at the time, I replaced it with a console TV power transformer and that "Economy Power Supply" configuration with solid-state diodes, and never had any further trouble, ever. Ran 90 watts input all day.

I even used the DX-35/VF-1 for RTTY to drive my modified AFMARS BC-610 after that.

In point of fact, the DX-35's transfomer was running red-lined even in standby. Heathkit used this really silly idea of connecting the oscillator and buffer stages in SERIES across the HV line. They advertised the rig as having "....no power-wasting dropping resistors..." What a crock!

When I changed the power supply, I also got rid of that series-connection foolishness.

> Back in the day,
> mine was OK on "Standby." But once I switched to "Transmit," the smoke began.
> A replacement DX-40 worked much better, but still was not as nice as a friend's
> brand-new DX-60.

Even the DX-40 transformers are now starting to go.

I have two DX-35s. I use one in the CX (which is next weekend, BTW) VERY carefully...

Ken W7EKB

665. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-10 19:37:04 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 665

On 10 Sep 2010 at 13:10, Charlie , W5COV wrote:

> Yes that entire line of Heath transmitters , again if my old unreliable memory serves me , the DX-
> 20 , 35 and even the 40 , all suffered from the minimal transformer .

Dunno about the DX-20, never having had one. Lew McCoy wrote
an article for QST on modifying that for more power output and a
much better signal. But you are sure right about the DX-35 and
DX-40.

> I have a mint DX-35 along with a mint VF-1 VFO .

Mine sure aren't mint, but they suit me just fine. :-)

> It is not recommended to power anything else with these , even the VFO
> , due to the transformer .

Yup.

> I have even heard of some people that use them as CW only transmitters , pulling out any extra
> tubes used in the AM section .

I never did that, but probably could have saved at least one
transformer if I had.

> Luckily in my youth , when these transmitters were everywhere and very cheap , I used to pick
> them up and strip them out , because they made beautiful project cabinets . I still have one good
> transformer in my supply , for my DX-35 , just in case..... I treat the DX-35 with great care when I
> put it on the air .

Same here.

> I have also read of some people having luck getting the old transformer to come back to life , by
> turning it bottom side up and carefully heating it , until the potting is no longer solid and it will flow
> around a bare spot in the insulation on the inside of the transformer . Apparently if you catch it in
> time this is the common failure inside of the transformer .

I have heard of folks heating them up and pulling the transformer,
then rewinding them.

> I use the old DX-60 / HG10 all of the time and have for 20 or more
> years and never had an issue with them .

In my opinion and experience, one has to be very careful in the
choice of the 6CH8 in the HG-10 in order to achieve no chirp.

I prefer the VF-1 both because it keys better and is more stable.
In fact, I use a VF-1 with my HW-16.

For details see:

http://www.w7ekb.com/glowbugs/heathvf1.html

Ken W7EKB

666. Website issues

Yahoo group: glowbugradio
Date: 2010-09-10 19:41:22 UTC
From: Kenneth G. Gordon
Topic: 666 Message: 666

Well, Lee, and other folks, although I have fixed the link to the
Crystal Oscillators PDF, I found multiple OTHER problems with
that particular page. I.e.,

http://www.w7ekb.com/glowbugs/tx/index.html

also found under "8) Projects" from the main page.

(I see I'm going to have to change the name of that pointer too...)

I'll get them all fixed asap.

Ken W7EKB

667. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-10 20:44:23 UTC
From: Charlie , W5COV
Topic: 648 Message: 667

It has been so many years since I owned a
DX-20 , my old memory , couldn't remember for sure if it shared the same problem as the others . Thanks for refreshing my memory .

Glen recommend a tube swap for the VF-1 and Johnson 122 , which made a notable difference . I now keep a stock of 6AH6's on hand .

Carl mentioned the rectifier change , so I will do that also to save a few watts .

This is a real glowbug list , sharing knowledge and hints and kinks for the old glowbug rigs we hold so near and dear . Actually getting down to the specifics of radios that many of us own and how to preserve and improve them .

Ken , it was by pure coincidence that I picked up this mint DX-35 and VF-1 . They were at a local rummage sale and had been in storage for more than 40 plus years after the person that built them became a SK , shortly after building them . Why after all this time they decided to put them in a rummage sale , I have no clue . I did pay them more money than they were asking and still got a real bargain .

I did do an audio mod on the DX-60 also . It works great and I get good reports from stations that I can depend on to give me true critical reports .

Keep up the hints and kinks !! I am learning more today on this great group , than I have in many months on other similar groups .

Charlie , W5COV

668. Re: [glowbugradio] Website issues

Yahoo group: glowbugradio
Date: 2010-09-10 21:00:50 UTC
From: LEE BAHR
Topic: 666 Message: 668

You do good work, Ken. you have a very nice web site with some great classic builds.

Lee, w0vt

Well, Lee, and other folks, although I have fixed the link to the
Crystal Oscillators PDF, I found multiple OTHER problems with
that particular page. I.e.,

http://www.w7ekb.com/glowbugs/tx/index.html

also found under "8) Projects" from the main page.

(I see I'm going to have to change the name of that pointer too...)

I'll get them all fixed asap.

Ken W7EKB

669. Re: [glowbugradio] Website issues fixed....mostly

Yahoo group: glowbugradio
Date: 2010-09-10 22:15:50 UTC
From: Kenneth G. Gordon
Topic: 666 Message: 669

On 10 Sep 2010 at 16:00, LEE BAHR wrote:

> You do good work, Ken. you have a very nice web site with some great
> classic builds.
>
> Lee, w0vt

Thanks, Lee.

I have most of the problems with that particular page fixed now.

Ken W7EKB

670. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-10 22:53:01 UTC
From: Charles MacDonald
Topic: 648 Message: 670

On 10-09-10 09:41 AM, Carl wrote:
> I wonder how many of us have left skin behind on a hot metal 6F6, 6L6, 1614,
> or similar?

I just had an image flash in my head of a 6L^ with a finned heat sink
attched. you would still have to depend on the plate radiating heat to
the shell, but it MIGHT give a bit more power. Of course the 6L6GC has
such a higher rating that the experiment might not be worth while.
Except of course that Metal 6L6 tubes - particularly ones with a bit of
rust - are much cheaper and more available than 6L6GC units.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

671. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-11 00:09:25 UTC
From: N2EY@aol.com
Topic: 648 Message: 671

In a message dated 9/10/2010 3:37:01 P.M. Eastern Daylight Time,
kgordon2006@... writes:

On 10 Sep 2010 at 13:10, Charlie , W5COV wrote:

> Yes that entire line of Heath transmitters , again if my old unreliable
memory serves me , the DX-
> 20 , 35 and even the 40 , all suffered from the minimal transformer .

Dunno about the DX-20, never having had one. Lew McCoy wrote
an article for QST on modifying that for more power output and a
much better signal. But you are sure right about the DX-35 and
DX-40.
I had a DX-20. It did not use the same transformer, and I don't recall any
tales of problems. Mine had been modified by the previous owner, who added
a pair of VR tubes and an accessory socket so that a VF-1 could be powered
by the DX-20. I didn't think that was a good idea, so I un-modified it.

I think I still have the mod documentation someplace. It was pretty simple.
However I don't know if it's a good idea.

The DX-20 is a lot simpler rig than the DX-35 or DX-40, and the demands on
the transformer are much less. Yet the DX-20 transformer is only slightly
smaller.

I think Ken is confusing the DX-20 with its predecessor, the AT-1. The AT-1
was very different from the DX-20, and W1ICP did an article about major
improvements to it. The DX-20 had almost no vices and unless I missed it,
there were no articles about improving it.

btw, Heath made a rig called the HX-11 for a short time. It was the
successor to the DX-20 and very similar. Never seen one, though.

I traded the DX-20 for a Johnson Viking Adventurer. Which is even better
IMHO.

73 de Jim, N2EY

672. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-11 00:27:28 UTC
From: Carl
Topic: 648 Message: 672

I run a pair of Hallicrafters HT-9's, both have 6 metal 6L6's in them, 4 are used as modulators for the 814 final.

Speaking of heat dissipation, Ive been experimenting with using 3-500Z anodes on 8072's. With some air they are pretty close to 8122 power levels.

Carl

----- Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com
Cc: Carl
Sent: Friday, September 10, 2010 6:53 PM
Subject: Re: [glowbugradio] Philmore NT-200

On 10-09-10 09:41 AM, Carl wrote:
> I wonder how many of us have left skin behind on a hot metal 6F6, 6L6, 1614,
> or similar?

I just had an image flash in my head of a 6L^ with a finned heat sink
attched. you would still have to depend on the plate radiating heat to
the shell, but it MIGHT give a bit more power. Of course the 6L6GC has
such a higher rating that the experiment might not be worth while.
Except of course that Metal 6L6 tubes - particularly ones with a bit of
rust - are much cheaper and more available than 6L6GC units.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

673. Novice Receiver & Transmitters / Cross List Topic

Yahoo group: glowbugradio
Date: 2010-09-11 00:59:26 UTC
From: Charlie , W5COV
Topic: 673 Message: 673

Carl , I have an SX-140 paired with a
T-60 , in the little used "attic shack" .

I also have a T-150A in the project area .

I certainly wouldn't be opposed to some improvements for the SX-140 .

My HR-10 is another that one of these days , I want to make some
improvements to , but it rarely sees any use , so it is not something that I
am going to actively pursue until near the bottom of the list , if I ever
get to that point :)

Charlie , W5COV

674. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-11 01:20:26 UTC
From: N2EY@aol.com
Topic: 648 Message: 674

Been reading the mail on this little rig, and downloaded the manual. Interesting design from another and very different era, when the Novice license was brand-new. (The Novice was authorized in mid 1951, and the schematic is dated March 18 1952!)

Some points to consider:

1) The rig was designed back when the only HF privileges Novices had were 80 and 11 meters (!). I suspect the 11 meter performance left something to be desired. Seems to me the rig could do a good job on 160, 80 and 40 with a few small modifications.

2) The pi-net should be redesigned, because on 80 meters its Q is so low that harmonics are just about guaranteed. The lack of a tuned circuit between oscillator and amplifier means the pi-net is the only protection against harmonics!

Also, the original design is for high-impedance antennas, such as a half-wave end-fed wire. A pi-net using BC variables is easily calculated; if anybody's interested I'll show how it's done.

When the manual tells you in several places to test for harmonics with another station 25 miles away, and gives the exact design of a wavetrap, there's a very good reason.

3) I can't see any reason not to use a metal 6L6 on 80 meters. The schematic shows both Pin 1 and Pin 2 grounded, so there's no possibility of a shock from the tube shell.

The only possible explanation I can think of is that the glass version is probably a better performer on 11 meters - which isn't a concern today.

4) The 6V6 used in this rig is a good choice because the modified-Pierce circuit is used. That circuit has the cathode grounded for RF, so there's no disadvantage if the BF plates are connected to the cathode. The other common harmonic oscillator circuits (Tri-Tet and Grid-Plate) have the cathode above ground for RF, and a beam tube with the BF plates connected to the cathode isn't a good idea.

I re-read the 1950 crystal oscillator article, and discovered that the modified-Pierce circuit had low crystal current for all the tubes they tried - including the 6V6. Under 30 mA for all the tubes tried!

The superiority of the 6AG7 is most apparent with the grid-plate circuit, but that's not used in the NT-200.

In addition, the NT-200 runs the oscillator at very low input - only 170 volts on the plate and 100 volts on the screen. Such low input should make

life even easier for the xtal.

5) There is no tuned circuit between the oscillator and amplifier, and no way of adjusting the grid drive. It's clear that the plate and screen voltages of the oscillator were set to values that would give the right drive to the 6L6 on 80 without adjustment.

The schematic does show -25 volts bias on the 6L6 grid, which is one way to measure the drive. If any changes are made to the oscillator circuit, the drive should be checked so that there aren't problems caused by too much or too little.

6) Both stages use voltage dividers for screen supply instead of simple dropping resistors, which IMHO is a very good thing. The 6L6 has a cathode bias resistor, which is unusual for a Class C stage. But if it works...

7) Some additional bypassing is probably a good idea. .01 uF caps from the supply ends of the plate RF chokes, plus bypasses on the heater supply, the key jack and the B+ input.

8) The power supply shows a 90 mA transformer, but you could probably get away with a 70 mA one because of the intermittent duty of CW and the low heater demand. (At 25 watts input, the current draw of the final is about 67 mA).

If anyone is interested in building an NT-200 replica, I have some of the parts you'll need. Some NOS, some used, all tested and good. I can supply the following:

- 6V6, 6L6 and 5Y3GT tubes
- Octal tube sockets
- Disk ceramic bypasses and coupling caps
- Carbon comp and wirewound resistors (the 10,000 ohm 5 watt in the rig and 20,000 ohm 20 watt in the power supply would be a couple of wirewounds in series)
- Plug-in coil forms
- Phono jacks
- #49 pilot lamps and sockets
- Line cord/plug sets
- Hardware such as pointer knobs, toggle switch, tag strips, etc.

I may have a limited quantity of other parts, will have to dig through the pile. I know I have the above stuff.

Anybody want to build one?

73 de Jim, N2EY

675. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-11 01:22:08 UTC
From: Glen Zook
Topic: 648 Message: 675

Obviously, you missed my article in 73 Magazine entitled "50 Watts On 50 Mcs In 50 Seconds"! :>)

It was the very first article that I wrote and Wayne Green paid me $30 for the article which took up all of 2/3rds of a page in the old "small size" issues. The article detailed how to solder a piece of "hookup" wire to one end of the final tank coil and then "stick" the other end between the turns of the 10-meter section. You then put the transmitter in the 15-meter position and used an 8 MHz crystal. The oscillator/multiplier would make it to 25 MHz in the 15-meter position and then the rig doubled in the final to 50 MHz. Of course, on the 10-meter band the transmitter also doubled from 14 MHz to get to 28 MHz. The transmitter would put out about 15 watts.

$30 back in 1961 was a "small fortune" to a high school junior.

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 9/10/10, N2EY@... <N2EY@...> wrote:

From: N2EY@... <N2EY@aol.com>
Subject: Re: [glowbugradio] DX-35 and VF-1
To: glowbugradio@yahoogroups.com
Date: Friday, September 10, 2010, 7:09 PM

In a message dated 9/10/2010 3:37:01 P.M. Eastern Daylight Time,
kgordon2006@... writes:
On 10
Sep 2010 at 13:10, Charlie , W5COV wrote:

> Yes that entire line of
Heath transmitters , again if my old unreliable memory serves me , the
DX-
> 20 , 35 and even the 40 , all suffered from the minimal
transformer .

Dunno about the DX-20, never having had one. Lew McCoy
wrote
an article for QST on modifying that for more power output and a

much better signal. But you are sure right about the DX-35 and

DX-40.
I had a DX-20. It did not use the same transformer, and I don't recall any
tales of problems. Mine had been modified by the previous owner, who added a
pair of VR tubes and an accessory socket so that a VF-1 could be powered by the
DX-20. I didn't think that was a good idea, so I un-modified it.

I think I still have the mod documentation someplace. It was pretty simple. However I don't know if it's a good idea.

The DX-20 is a lot simpler rig than the DX-35 or DX-40, and the demands on the transformer are much less. Yet the DX-20 transformer is only slightly smaller.

I think Ken is confusing the DX-20 with its predecessor, the AT-1. The AT-1 was very different from the DX-20, and W1ICP did an article about major improvements to it. The DX-20 had almost no vices and unless I missed it, there were no articles about improving it.

btw, Heath made a rig called the HX-11 for a short time. It was the successor to the DX-20 and very similar. Never seen one, though.

I traded the DX-20 for a Johnson Viking Adventurer. Which is even better IMHO.

73 de Jim, N2EY

676. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-11 01:48:40 UTC
From: Charlie , W5COV
Topic: 648 Message: 676

All good information Jim .

I know that Lee is going to build one because he already has had the chassis made .

I think Ken was going to build one too . As soon as I finish my parts gathering to complete the build of my Paraset replica , I am going to build one also .

I think I have all of the parts that you listed . I too probably have some spare parts that I can contribute in the event someone needs something .

I do have to check my plug in coil forms stock , since I just sent some to another guy , because I didn't think that I would ever need them again .

I am not as organized as you to list what I have off of the top of my head .

I am still debating on what to use for the capacitors in the pi-net . It may end up having to be BC variables , which I know that I have .

Since this looks like it is going to be an active building group , I need to organize and catalog some of my old parts .

Charlie , W5COV

677. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-11 02:43:22 UTC
From: Paul Daulton
Topic: 648 Message: 677
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

678. Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 02:57:47 UTC
From: mac
Topic: 678 Message: 678

Reading through the comments on this thread and WOW, Heathkit, Eico, Knight, Globe, you were all rich guys (or had rich parents). :^)

My first novice rig back in 51 was a HB 6V6 xtal oscillator feeding directly into an end-fed wire antenna. Receiver was a two-tube regen, 6C6 and 76 as I remember. Subsequently upgraded to a HB 6J7 oscillator driving a 6L6 rig, the 6K8 & 6SN7 "superhet" featured in ARRL handbooks of the period and a Windom antenna (the real one) and started to make a few contacts. All made from salvaged parts and gifts from a local Elmer. Lived up in MT so no surplus outlets anywhere nearby but did buy some stuff through adds in the back or Radio and TV News.

Them were the days I guess.

Dennis D. W7QHO
Glendale, CA

679. Re: [glowbugradio] Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 04:33:07 UTC
From: Kenneth G. Gordon
Topic: 678 Message: 679

On 10 Sep 2010 at 19:57, mac wrote:

> Lived up in MT

Where in MT? I was born in Kalispell, and lived in Missoula until I was about 37.

Live in Moscow, Idaho now.

Ken W7EKB

680. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-11 04:38:48 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 680

On 11 Sep 2010 at 2:43, Paul Daulton wrote:

> DX-35 and DX-40 had two 6.3 fil windings for osc and buffer.

The reason for the two filament windings was that one of the tubes had 300 VDC to ground at the filament.

> These
> two stages were in series to eliminate need for LV supply.

Hmmm....I could be wrong (most likely am) but I thought Heathkit did away with that series osc-buffer business for the DX-40. I'll have to check the manual I have here. I know they changed from 12BY7s to 6CL6s in the DX-40.

> Virtually
> impossible to replace transformer in these rigs, with anything but OEM
> replacement from Heath.

Yup. Unless you did as I did and used a big TV power transformer, the "Economy Power Supply" configuration, and got rid of that series osc/buffer business.

Ken W7EKB

681. Re: [glowbugradio] Plug-in coil-forms

Yahoo group: glowbugradio
Date: 2010-09-11 04:42:45 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 681

On 10 Sep 2010 at 20:48, Charlie , W5COV wrote:

> I do have to check my plug in coil forms stock , since I just sent
> some to another guy , because I didn't think that I would ever need
> them again .

I make 4-pin jobs pretty easily: I use some 1 - 5/16 outside diameter white PVC pipe, and a 4 pin bakelite tube base. The base fits pretty tightly inside the PVC, and I use that epoxy that is used for plastics to glue it together.

Then I cut the PVC pipe off at about 3 1/4 inches long.

Works pretty neat.

Haven't been able to come up with any 5 or 6 pin combinations yet though.

Ken W7EKB

682. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-11 04:53:47 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 682

On 10 Sep 2010 at 21:20, N2EY@... wrote:

> 4) The 6V6 used in this rig is a good choice because the
> modified-Pierce circuit is used. That circuit has the cathode grounded
> for RF, so there's no disadvantage if the BF plates are connected to
> the cathode.

Well, actually I think there is: I think the screen is still being used as the "plate" of the oscillator-proper even here. In a standard ECO, the screen is grounded for RF in order to also provide some separation between the oscillator section and the plate circuit. With the 6V6, that function goes away.

>The other common harmonic oscillator circuits (Tri-Tet and
> Grid-Plate) have the cathode above ground for RF, and a beam tube with
> the BF plates connected to the cathode isn't a good idea.

I never have thought much of the Tri-Tet anyway. :-)

> I re-read the 1950 crystal oscillator article, and discovered that the
> modified-Pierce circuit had low crystal current for all the tubes they
> tried - including the 6V6. Under 30 mA for all the tubes tried!

Yup. It's a really good circuit! Simple and effective.

> The superiority of the 6AG7 is most apparent with the grid-plate
> circuit, but that's not used in the NT-200.

No, but we had thought to substitute the 6AG7 for the 6V6 in that rig. Call it an NT-200B. ;-)

> 6)Both stages use voltage dividers for screen supply instead of
> simple dropping resistors, which IMHO is a very good thing.

Yes!

> The 6L6
> has a cathode bias resistor, which is unusual for a Class C stage. But
> if it works...

Protective bias if the crystal oscillator doesn't work. Probably not needed, but as I remember it, adding that does also improve the keying waveform.

> 7) Some additional bypassing is probably a good idea. .01 uFcaps from
> the supply ends of the plate RF chokes, plus bypasses on the heater
> supply, the key jack and the B+ input.

Yup.

> 8) The power supply shows a 90 mA transformer, but you could probably
> get away with a 70 mA one because of the intermittent duty of CW and
> the low heater demand. (At 25 watts input, the current draw of the
> final is about 67 mA).

Cool...I mean... :-)

> Anybody want to build one?

Yes. As soon as I finish rebuilding my shack, that will be one of the projects.
I think I have most of what I would need.

BTW, James, thanks for the exact replacment knob for my Tempo-1. Picture
of a president on the way.

Ken W7EKB

683. Re: [glowbugradio] HR-10

Yahoo group: glowbugradio
Date: 2010-09-11 04:57:52 UTC
From: Kenneth G. Gordon
Topic: 673 Message: 683

On 10 Sep 2010 at 19:59, Charlie , W5COV wrote:

> My HR-10 is another that one of these days , I want to make some
> improvements to , but it rarely sees any use , so it is not something
> that I am going to actively pursue until near the bottom of the list ,
> if I ever get to that point :)

1) If I never added another project, I would have to live to 120 to complete the ones I have now.

2) I have been working with another fellow on the HR-10. That receiver is very much less sensitive on 15 and 10 than on the lower bands. We have tried several possible solutions to that problem with no success so far.

It also has a very poor detector, almost no BFO injection, and very little HF oscillator isolation.

I have a couple of ideas, but can't start on them yet.

Ken W7EKB

684. Re: [glowbugradio] DX-35 and DX-40

Yahoo group: glowbugradio
Date: 2010-09-11 05:05:34 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 684

Charlie:

You're right: I was wrong: the DX-40 DOES also have that series osc/buffer connection. :-(

However, it does use 6CL6s.

Ken W7EKB

685. Re: [glowbugradio] Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 05:15:56 UTC
From: mac
Topic: 678 Message: 685

Ken,

Grew up in Deer Lodge. Graduated from Bozeman in 57 with a BSEE and
left the state shortly thereafter.

Dennis D. W7QHO
Glendale, CA

On Sep 10, 2010, at 9:33 PM, Kenneth G. Gordon wrote:

> On 10 Sep 2010 at 19:57, mac wrote:
>
> > Lived up in MT
>
> Where in MT? I was born in Kalispell, and lived in Missoula until I
> was about
> 37.
>
> Live in Moscow, Idaho now.
>
> Ken W7EKB
>
>
>

686. Re: [glowbugradio] Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 09:43:22 UTC
From: N2EY@aol.com
Topic: 678 Message: 686

In a message dated 9/10/2010 10:58:04 P.M. Eastern Daylight Time,
w7qho@... writes:

Reading through the comments on this thread and WOW, Heathkit, Eico,
Knight, Globe, you were all rich guys (or had rich parents). :^)
Not me!

First SW receiver was a 6SN7-6K6 regenerative. First transmitter a 6V6GT
xtal oscillator. First antenna a 70 foot wire from the house to a tree in the
yard. All built from reused parts, old TV and BC sets, etc.

In 1967, $10 was a fortune to a 13-year-old.

Eventually I got a Heath AR-2 ($20 with Q multiplier) for the rx. Not much
better than the regen, really. The tx was replaced by a DX-20 ($20 too).

Then I discovered surplus.

73 de Jim, N2EY

687. 4CX300A COOLING

Yahoo group: glowbugradio
Date: 2010-09-11 09:45:35 UTC
From: Edwin Alcock
Topic: 687 Message: 687

Hi All,
>
> I have been told that an article was published in CQ magazine, or
> one of their publications,for a two tube MOBILE power amp, which
> used a pair of the water cooled versions of the 4CX300A, many
> years ago .I believe that the authors name was Jenning. (the
> founder of the capacitor manufacturer?).
>
> Can some kind soul on the group point me in the direction of this
> article or maybe even supply a scan of it.
>
> Your help would be much appreciated.
>
> 73
>
> Ed A

688. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-11 09:56:25 UTC
From: N2EY@aol.com
Topic: 648 Message: 688

In a message dated 9/11/2010 12:54:13 A.M. Eastern Daylight Time,
kgordon2006@... writes:

On 10 Sep 2010 at 21:20, _N2EY@..._ (mailto:N2EY@...) wrote:

> 4) The 6V6 used in this rig is a good choice because the
> modified-Pierce circuit is used. That circuit has the cathode grounded
> for RF, so there's no disadvantage if the BF plates are connected to
> the cathode.

Well, actually I think there is: I think the screen is still being used as
the
"plate" of the oscillator-proper even here. In a standard ECO, the screen
is
grounded for RF in order to also provide some separation between the
oscillator section and the plate circuit. With the 6V6, that function goes
away.
Good point. But the main one is that the modified Pierce has low crystal
current with all the tubes, not just the 6AG7.

>The other common harmonic oscillator circuits (Tri-Tet and
> Grid-Plate) have the cathode above ground for RF, and a beam tube with
> the BF plates connected to the cathode isn't a good idea.

I never have thought much of the Tri-Tet anyway. :-)
Nor I. It always seemed more complex, in that you need to change the
cathode coil when changing bands.

> I re-read the 1950 crystal oscillator article, and discovered that the
> modified-Pierce circuit had low crystal current for all the tubes they
> tried - including the 6V6. Under 30 mA for all the tubes tried!

Yup. It's a really good circuit! Simple and effective.

> The superiority of the 6AG7 is most apparent with the grid-plate
> circuit, but that's not used in the NT-200.

No, but we had thought to substitute the 6AG7 for the 6V6 in that rig.
Call it
an NT-200B. ;-)

Need to check that plate and screen voltages, and other factors, give
proper drive to the 6L6.

Another interesting bit of that article is the importance of proper
feedback in the various circuits. (Last part of the article). Even the 6AG7
suffers if the feedback is wrong.

> 6)Both stages use voltage dividers for screen supply instead of
> simple dropping resistors, which IMHO is a very good thing.

Yes!

> The 6L6
> has a cathode bias resistor, which is unusual for a Class C stage. But
> if it works...

Protective bias if the crystal oscillator doesn't work. Probably not
needed, but
as I remember it, adding that does also improve the keying waveform.

I think its main feature is preventing the off-resonance plate and screen
currents from soaring.

> 7) Some additional bypassing is probably a good idea. .01 uFcaps from
> the supply ends of the plate RF chokes, plus bypasses on the heater
> supply, the key jack and the B+ input.

Yup.

> 8) The power supply shows a 90 mA transformer, but you could probably
> get away with a 70 mA one because of the intermittent duty of CW and
> the low heater demand. (At 25 watts input, the current draw of the
> final is about 67 mA).

Cool...I mean... :-)
One more point: There are no parasitic suppressors in the rig at all. Might
need one or two on the 6L6. But I wouldn't be surprised if they weren't
needed.

> Anybody want to build one?

Yes. As soon as I finish rebuilding my shack, that will be one of the
projects.
I think I have most of what I would need.

One of the really great things about the NT-200 design is the lack of rare
parts.

But the pi-net has to be changed! It's trouble with a capital T in the
original design.

73 de Jim, N2EY

689. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-11 13:42:50 UTC
From: Carl
Topic: 648 Message: 689

Old transformers can be rewound with Class H wire and insulation to keep the size the same. Even higher temp wire coatings and insulation exist.

Might check with Gary at Thunderbird about rewinding.

Carl
KM1H

----- Original Message -----
From: Paul Daulton
To: glowbugradio@yahoogroups.com
Sent: Friday, September 10, 2010 10:43 PM
Subject: Re: [glowbugradio] DX-35 and VF-1

Back in 1965 I worked for the qualitycontrol/engineering dept of a radio/tv manufacturer.Our test equipment was entirely Heathkit: scopes ,signal generators, vtvm's ect. We were constantly replacing the power transformers. Our transformer dept engineer, an old german gentleman, was in the repair lab one day while a discussion of the constant replacement of transformers was going on. He took one of each type we stocked and came back a few days later with a pallet of all the different transformer and said" Dees vill vork". And they did. Problem was Heath used too small wire dia in their transformers. As best I remember they used about 4 or 500 cm/amp when it should have been 1200 cm/amp for class a temp rise.
Earlier rigs like the AT-1 didnt suffer this problem, and it was corrected by the time of the SB and HW lines came out. I lost count of the transformers I replaced in DX40's,DX100's, Apaches, Marauders and heath test equipment of that era.
DX35and DX40 had two 6.3 fil windings for osc and buffer. These two stages were in series to eliminate need for LV supply. Virtually impossible to replace transformer in these rigs, with anything but OEM replacement from Heath.
I still have my original S-19 SkyBuddy and and AT-1 and VF-1, though the latter two are not the original ones I had. Also have a Globe Scout 65 . Use to work 160 and 75 with Globe Scout using a verticle consisting of wire wound around cane pole(carpet came rolled up on cane poles, my brother and dad got them from carpet stores for frog gigs).
New comers dont know what they missed by not going through the apprentiship a lot of us old timers did.

Paul Daulton K5WMS
beacon WMS 185.302 khz qrss30/slow 24/7
Jacksonville,Ar 72076
em34wu

690. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-11 14:02:10 UTC
From: Carl
Topic: 648 Message: 690

A 1614 can be used if getting up on 20M and above is desired with a bit more efficiency. However the metal 6L6 doubles to 10M and drives the 814 just fine in the HT-9.
And dont overlook 30/17M where low power CW is generally the rule except when there is a DXpedition.

Carl
KM1H

------ Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Friday, September 10, 2010 9:20 PM
Subject: Re: [glowbugradio] Philmore NT-200

Been reading the mail on this little rig, and downloaded the manual. Interesting design from another and very different era, when the Novice license was brand-new. (The Novice was authorized in mid 1951, and the schematic is dated March 18 1952!)

Some points to consider:

1) The rig was designed back when the only HF privileges Novices had were 80 and 11 meters (!). I suspect the 11 meter performance left something to be desired. Seems to me the rig could do a good job on 160, 80 and 40 with a few small modifications.

2) The pi-net should be redesigned, because on 80 meters its Q is so low that harmonics are just about guaranteed. The lack of a tuned circuit between oscillator and amplifier means the pi-net is the only protection against harmonics!

Also, the original design is for high-impedance antennas, such as a half-wave end-fed wire. A pi-net using BC variables is easily calculated; if anybody's interested I'll show how it's done.

When the manual tells you in several places to test for harmonics with another station 25 miles away, and gives the exact design of a wavetrap, there's a very good reason.

3) I can't see any reason not to use a metal 6L6 on 80 meters. The schematic shows both Pin 1 and Pin 2 grounded, so there's no possibility of a shock from the tube shell.

The only possible explanation I can think of is that the glass version is probably a better performer on 11 meters - which isn't a concern today.

4) The 6V6 used in this rig is a good choice because the modified-Pierce circuit is used. That circuit has the cathode grounded for RF, so there's no disadvantage if the BF plates are connected to the cathode. The other common harmonic oscillator circuits (Tri-Tet and Grid-Plate) have the cathode above ground for RF, and a beam tube with the BF plates connected to the cathode isn't a good idea.

I re-read the 1950 crystal oscillator article, and discovered that the modified-Pierce circuit had low crystal current for all the tubes they tried - including the 6V6. Under 30 mA for all the tubes tried!

The superiority of the 6AG7 is most apparent with the grid-plate circuit, but that's not used in the NT-200.

In addition, the NT-200 runs the oscillator at very low input - only 170 volts on the plate and 100 volts on the screen. Such low input should make life even easier for the xtal.

5) There is no tuned circuit between the oscillator and amplifier, and no way of adjusting the grid drive. It's clear that the plate and screen voltages of the oscillator were set to values that would give the right drive to the 6L6 on 80 without adjustment.

The schematic does show -25 volts bias on the 6L6 grid, which is one way to measure the drive. If any changes are made to the oscillator circuit, the drive should be checked so that there aren't problems caused by too much or too little.

6) Both stages use voltage dividers for screen supply instead of simple dropping resistors, which IMHO is a very good thing. The 6L6 has a cathode bias resistor, which is unusual for a Class C stage. But if it works...

7) Some additional bypassing is probably a good idea. .01 uF caps from the supply ends of the plate RF chokes, plus bypasses on the heater supply, the key jack and the B+ input.

8) The power supply shows a 90 mA transformer, but you could probably get away with a 70 mA one because of the intermittent duty of CW and the low heater demand. (At 25 watts input, the current draw of the final is about 67 mA).

If anyone is interested in building an NT-200 replica, I have some of the parts you'll need. Some NOS, some used, all tested and good. I can supply the following:

- 6V6, 6L6 and 5Y3GT tubes
- Octal tube sockets
- Disk ceramic bypasses and coupling caps
- Carbon comp and wirewound resistors (the 10,000 ohm 5 watt in the rig and 20,000 ohm 20 watt in the power supply would be a couple of wirewounds in series)
- Plug-in coil forms

- Phono jacks
- #49 pilot lamps and sockets
- Line cord/plug sets
- Hardware such as pointer knobs, toggle switch, tag strips, etc.

I may have a limited quantity of other parts, will have to dig through the pile. I know I have the above stuff.

Anybody want to build one?

73 de Jim, N2EY

691. Re: [glowbugradio] HR-10

Yahoo group: glowbugradio
Date: 2010-09-11 14:29:12 UTC
From: Bob Macklin
Topic: 673 Message: 691

The problem of the sensitivity above 20M is the fact that the LO is doubled. Poor design.

I just use mine on 40M.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Friday, September 10, 2010 9:57 PM
Subject: Re: [glowbugradio] HR-10

On 10 Sep 2010 at 19:59, Charlie , W5COV wrote:

> My HR-10 is another that one of these days , I want to make some
> improvements to , but it rarely sees any use , so it is not something
> that I am going to actively pursue until near the bottom of the list ,
> if I ever get to that point :)

1) If I never added another project, I would have to live to 120 to complete
the ones I have now.

2) I have been working with another fellow on the HR-10. That receiver is
very much less sensitive on 15 and 10 than on the lower bands. We have
tried several possible solutions to that problem with no success so far.

It also has a very poor detector, almost no BFO injection, and very little HF
oscillator isolation.

I have a couple of ideas, but can't start on them yet.

Ken W7EKB

692. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-11 15:15:36 UTC
From: Glen Zook
Topic: 648 Message: 692

The high voltage transformer in my original Heath DX-100 developed problems. One day when my wife was not home I removed the transformer from the transmitter. Then I placed it, top down, on a burner on the electric stove. I "cooked" it for about 3 hours and then took the transformer outside to cool. It took like 2 days for the transformer to reach the outside temperature.

After the transformer had cooled, I put it back in the transmitter. No more problems! Melting the tar allowed it to again flow around the windings and that eliminated the internal shorts.

Another "trick", that sometimes works, especially on audio transformers with an "open" winding, is to take a large value capacitor and "charge it". Then connect the capacitor to each side of the open winding. The discharge of the capacitor across the break in the winding will often "weld" the wire, again making it continuous. The chances of this working are, at best, 50-50. But, when it does work the cost of a new transformer is eliminated.

Glen, K9STH

Website: http://k9sth.com

--- On Fri, 9/10/10, Paul Daulton <k5wms@centurytel.net> wrote:

From: Paul Daulton <k5wms@...>
Subject: Re: [glowbugradio] DX-35 and VF-1
To: glowbugradio@yahoogroups.com
Date: Friday, September 10, 2010, 9:43 PM

Back in 1965 I worked for the qualitycontrol/engineering dept of a radio/tv manufacturer.Our test equipment was entirely Heathkit: scopes ,signal generators, vtvm's ect. We were constantly replacing the power transformers. Our transformer dept engineer, an old german gentleman, was in the repair lab one day while a discussion of the constant replacement of transformers was going on. He took one of each type we stocked and came back a few days later with a pallet of all the different transformer and said" Dees vill vork". And they did. Problem was Heath used too small wire dia in their transformers. As best I remember they used about 4 or 500 cm/amp when it should have been 1200 cm/amp for class a temp rise.Earlier rigs like the AT-1 didnt suffer this problem, and it was corrected by the time of the SB and HW lines came out. I lost count of the transformers I replaced in DX40's,DX100's, Apaches, Marauders and heath test equipment of that era.DX35and DX40 had two 6.3 fil windings for osc and buffer. These two stages were in series to eliminate need for LV supply. Virtually impossible to replace transformer in these rigs, with anything but OEM replacement from Heath.I still have my original S-19 SkyBuddy and and AT-1 and VF-1, though the latter two are not the original ones I had. Also have a Globe Scout 65 . Use to work 160 and 75 with Globe Scout using a verticle consisting of wire

wound around cane pole(carpet came rolled up on cane poles, my brother and dad got them from carpet stores for frog gigs).New comers dont know what they missed by not going through the apprentiship a lot of us old timers did.

693. Re: [glowbugradio] DX-35 and VF-1

Yahoo group: glowbugradio
Date: 2010-09-11 15:20:45 UTC
From: Paul Daulton
Topic: 648 Message: 693
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

694. Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 15:33:09 UTC
From: Garey Barrell
Topic: 678 Message: 694

Yes, 'some' had wealthy parents, unfortunately (or perhaps fortunately!)
I was NOT one of them.

When I was 13... I had my "station", which consisted of a BC-454
receiver and a single 6L6 transmitter (QSL 40) on 80M. The receiver was
'brand new' ($4.95) and the parts for the QSL 40 came from my Elmer,
W4EEI. 600 VDC on the plates, but that's another story. Doing ok for
myself.

I had a friend from school over one afternoon, and he decided he wanted
to be a ham too. So I showed him the code, loaned him my copy of the
License Manual and sent him on his way. A couple of weeks later, he
comes to school and says that his Dad had gone to Universal Radio in
town and bought him a 75A-4 and !! Factory wired !! Johnson Ranger.

Of course a few weeks later, he decides that he really isn't interested
in ham radio!! He said his Dad was not too pleased (really?) and would
I like to buy his radios! Yeah, sure, if I could talk my Dad into
selling the family car and getting a second job..... I said I would
be glad to help him sell it, but it could take a while. So he suggested
that I use it while trying to sell it, so I could demonstrate it. I of
course TRIED to talk him out of this, fortunately without success.

So MY station was scraped off the desk and a brand new 75A-4 and Ranger
set up on it. Talk about ham heaven! Sadly, it only took about six
weeks to find a buyer and I had to pick my stuff up from the floor and
replace it on the desk. My Dad took pity on me and helped me buy a used
HQ-129X, which really helped a lot.....

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 4-B, C-Line& TR-4/C Service Supplement CDs
<www.k4oah.com>

N2EY@... wrote:
>
>
> In a message dated 9/10/2010 10:58:04 P.M. Eastern Daylight Time,
> w7qho@... writes:
>
> Reading through the comments on this thread and WOW, Heathkit, Eico,
> Knight, Globe, you were all rich guys (or had rich parents). :^)
>
> Not me!
> First SW receiver was a 6SN7-6K6 regenerative. First transmitter a
> 6V6GT xtal oscillator. First antenna a 70 foot wire from the house to

> a tree in the yard. All built from reused parts, old TV and BC sets, etc.
> In 1967, $10 was a fortune to a 13-year-old.
> Eventually I got a Heath AR-2 ($20 with Q multiplier) for the rx. Not
> much better than the regen, really. The tx was replaced by a DX-20
> ($20 too).
> Then I discovered surplus.
> 73 de Jim, N2EY
> _._,___

695. Re: [glowbugradio] Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 16:01:49 UTC
From: Charlie , W5COV
Topic: 678 Message: 695

I think many of us are talking of equipment that we acquired later on in our ham lives .

I was 11 when I passed my Novice and 12 , in 1965 , when the license actually arrived .

Fortunately my dad had a slight interest in listening to shortwave broadcasts , so my first receiver was a Hallicrafters S-40 , that he let me use . A real Cadillac with bandspread !!

I rode many miles on my bicycle , doing curb side shopping and hauling my treasures home with a little wagon attached . I easily scrounged up plenty of parts to build a transmitter .

Then the tough part was a crystal . Luckily from mowing lawns from a quarter to a dollar each , for the really big ones , I managed to end up with I think 3 crystals .

Not very many people were on exactly the same frequency in those days , but everyone tuned around and there was never a shortage of contacts .

I thought that I was a rich kid when after mowing even more lawns , I was able to buy me an Ameco AC-1 kit , after I had built a couple of more homebrew transmitters .

Say what you want , but I made hundreds of contacts with that little rig and the S-40 . I didn't know that I wasn't running a Collins class station , until later years .

I kept the AC-1 , until I built up a transmitter with a 6146 final , out of I think the 1957 handbook .

Loaned the AC-1 out to a Novice friend and it never came home . Today they are too expensive for my blood *SIGH* , so I did build a clone to recreate one of my early stations . I still have the high power 6146 transmitter today and the S-40 .

When I got to high school it was hard to get me to go home after classes were over . The high school had a club station , WA0MHH . Our sponsor and Elmer was W0PSE (SK) .

Bill NEVER allowed a microphone in the station no matter what class of license you had . Just a good old
J-38 . The station was nothing short of awesome to me . A Heath DX-60 , with an HRO-5 receiver and a dipole fed with 450 ohm line that was stretched over the courtyard from the roof of the 4 story building . LOTS of good CW DX , with such a fancy station and plenty of crystals for all of the Novice bands .

Those were VERY good days in ham radio !!

Charlie , W5COV

696. Re: [glowbugradio] Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 16:25:47 UTC
From: N2EY@aol.com
Topic: 678 Message: 696

In a message dated 9/11/2010 12:02:02 P.M. Eastern Daylight Time,
cvest@... writes:

Bill NEVER allowed a microphone in the station no matter what class of
license you had .

What is this "microphone" thing of which you speak?

73 de Jim, N2EY

697. Re: [glowbugradio] HR-10

Yahoo group: glowbugradio
Date: 2010-09-11 16:35:07 UTC
From: N2EY@aol.com
Topic: 673 Message: 697

In a message dated 9/11/2010 10:29:25 A.M. Eastern Daylight Time,
macklinbob@... writes:

The problem of the sensitivity above 20M is the fact that the LO is
doubled. Poor design.

They doubled the LO in several receivers (such as some versions of the
SX-101) to improve the stability.

Here's a one-tube, one-crystal solution: QST for August, 1962, page 24.
Three band converter by W1ICP.

73 de Jim, N2EY

698. Re: [glowbugradio] Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 16:42:41 UTC
From: Jim
Topic: 678 Message: 698

Pun intended?

>
>From: "N2EY@..." <N2EY@...>
>
>What is this "microphone" thing of which you speak?

699. Re: [glowbugradio] HR-10

Yahoo group: glowbugradio
Date: 2010-09-11 20:37:10 UTC
From: Kenneth G. Gordon
Topic: 673 Message: 699

On 11 Sep 2010 at 7:29, Bob Macklin wrote:

> The problem of the sensitivity above 20M is the fact that the LO is
> doubled. Poor design.

Hi, Bob:

Actually, that is not the main cause of the problem. For instance the NC-303 also doubles the LO for the upper bands, and there is no problem with reduced sensitivity in that receiver. I think the same thing holds true for the SX-101.

Looking at the NC-303/HR-10 schematics shows some differences: for instance, in the NC-303, the voltages on the mixer are very much lower than those in the HR-10.

The fellow I am working with on this problem (I cannot remember his name at the moment, but he has written several articles for ER, including at least one on the HR-10) who is doing all the shop-work, has tried several things, including several I have suggested.

When he reduced the voltages on the mixer portion of the 6EA8 closer to those on the NC-303 (one of which he owns), the sensitivity on 10 and 15 doubled.

One of my suggestions, to replace the 6EA8 with a 6GH8A which has very much greater transconductance in the pentode section than the 6EA8 was a miserable failure. About the only thing it showed was that the 5 NIB 6GH8As I sent him had very very variable characterstics. Perhaps it was the brand...

At Carl's suggestion, I am going to send him a sleeve of NIB 6U8s which he will try when he can.

In the meantime, we have STILL not determined the exact cause, but it seems quite clear that doubling the LO is NOT the problem, at least in the HR-10.

Ken Gordon W7EKB

700. Re: [glowbugradio] 4CX300A mobile.

Yahoo group: glowbugradio
Date: 2010-09-11 20:51:30 UTC
From: Kenneth G. Gordon
Topic: 687 Message: 700

On 11 Sep 2010 at 9:45, Edwin Alcock wrote:

> I have been told that an article was published in CQ magazine, or
> one of their publications,for a two tube MOBILE power amp, which
> used a pair of the water cooled versions of the 4CX300A, many years
> ago .I believe that the authors name was Jennings. (the founder of
> the capacitor manufacturer?).

Hmmmm....I distinctly remember seeing a similar article in, I think, a GE HamNews from the 1950s. Two hams, who also worked for GE built 1KW plate-modulated mobiles. They used larger Leece-Neville alternators, took the 3 phase AC directly from the alternator to three transformers, upped the voltage to at least 2KV, then rectified and filtered normally, using diodes.

I don't remember their rigs, but it seems to me that at least one of them used some sort of external-anode tube. It may have been 4CXxxx of some sort.

I do remember that at least one fellow mounted his rig on a piece of plywood and it took up the entire back seat.

Could that be what you are hearing about?

I think I have that article around here somewhere...I'll look for it when I can.

Anyone else?

Ken Gordon W7EKB

701. Re: [glowbugradio] Re: [Boatanchors] Novice Transmitter Thoughts?

Yahoo group: glowbugradio
Date: 2010-09-11 20:55:19 UTC
From: Kenneth G. Gordon
Topic: 678 Message: 701

On 10 Sep 2010 at 22:15, mac wrote:

> Ken,
>
> Grew up in Deer Lodge. Graduated from Bozeman in 57 with a BSEE and
> left the state shortly thereafter.

Interesting! Did you ever meet Bob Leo in Bozeman? He was a crackerjack
EE prof, and a first rate ham. Good fellow.

He may not have been there that early, though. I got my first license in 1956
at age 13/14. My birthday is in April.

Deer Lodge is a very nice area. Always liked it despite the prison nearby. ;-)

Ken W7EKB

702. Re: [glowbugradio] HR-10

Yahoo group: glowbugradio
Date: 2010-09-11 21:01:48 UTC
From: Bob Macklin
Topic: 673 Message: 702

Ken,

It would be nice to keep this thread active. Possibly move it to the Heathkit list.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Saturday, September 11, 2010 1:37 PM
Subject: Re: [glowbugradio] HR-10

On 11 Sep 2010 at 7:29, Bob Macklin wrote:

> The problem of the sensitivity above 20M is the fact that the LO is
> doubled. Poor design.

Hi, Bob:

Actually, that is not the main cause of the problem. For instance the NC-303 also doubles the LO for the upper bands, and there is no problem with reduced sensitivity in that receiver. I think the same thing holds true for the SX-101.

Looking at the NC-303/HR-10 schematics shows some differences: for instance, in the NC-303, the voltages on the mixer are very much lower than those in the HR-10.

The fellow I am working with on this problem (I cannot remember his name at the moment, but he has written several articles for ER, including at least one on the HR-10) who is doing all the shop-work, has tried several things, including several I have suggested.

When he reduced the voltages on the mixer portion of the 6EA8 closer to those on the NC-303 (one of which he owns), the sensitivity on 10 and 15 doubled.

One of my suggestions, to replace the 6EA8 with a 6GH8A which has very much greater transconductance in the pentode section than the 6EA8 was a miserable failure. About the only thing it showed was that the 5 NIB 6GH8As I sent him had very very variable characterstics. Perhaps it was the brand...

At Carl's suggestion, I am going to send him a sleeve of NIB 6U8s which he will try when he can.

In the meantime, we have STILL not determined the exact cause, but it seems quite clear that doubling the LO is NOT the problem, at least in the HR-10.

Ken Gordon W7EKB

703. Re: [glowbugradio] HR-10

Yahoo group: glowbugradio
Date: 2010-09-11 21:18:31 UTC
From: Kenneth G. Gordon
Topic: 673 Message: 703

On 11 Sep 2010 at 14:01, Bob Macklin wrote:

> Ken,
>
> It would be nice to keep this thread active. Possibly move it to the
> Heathkit list.

Well, Bob, there are several Heathkit lists. I am a member of only one, the Tempe list, and I am not yet ready to post this to that list. We have a lot more work to do.

Besides, my fellow worker is planning on writing a follow-up HR-10 article for ER and I don't want to preempt him.

Later.....maybe....

Ken W7EKB

704. HR-10 more info

Yahoo group: glowbugradio
Date: 2010-09-11 21:20:30 UTC
From: Kenneth G. Gordon
Topic: 704 Message: 704

Besides, we have a LOT of expertise here, and I believe I am among friends.
:-)

Ken W7EKB

705. More on the HR-10

Yahoo group: glowbugradio
Date: 2010-09-11 21:22:35 UTC
From: Kenneth G. Gordon
Topic: 705 Message: 705

The fellow with whom I am working on this issue is Bruce Stock, AB7YD. He is a very fine and competent fellow.

Ken W7EKB

706. Re: [glowbugradio] Plug-in coil-forms

Yahoo group: glowbugradio
Date: 2010-09-12 16:32:54 UTC
From: Charlie , W5COV
Topic: 648 Message: 706

Ken & Group ,

Last night while going through the junk boxes , I was able to locate some more coil forms and bases , so I have those now for the NT-200 .

I had one box that I picked up a couple of weeks ago at the Joplin , Missouri hamfest , that I hadn't yet gone through thoroughly .

I found several 5 pin coils already wound in it . They are made from tube bases such as a 24 & 48 . (just the two I randomly pulled out) and have in front of me .

The one made out of the 48 has in pencil on the bottom 21 MC . The 24 appears it is probably for 80 meters but is not marked .It is a larger diameter base .

The person did a very nice job winding these right on the tube base , with no form above the base . He used very fine wire . There was also a 5 pin tube socket in the box .

Just an idea for 5 pin coil forms . Perhaps later today I can post a good picture of them .

I also found "regular" 4 pin coil forms in the box and the matching socket .

Charlie , W5COV

On 10 Sep 2010 at 20:48, Charlie , W5COV wrote:

> I do have to check my plug in coil forms stock , since I just sent
> some to another guy , because I didn't think that I would ever need
> them again .

I make 4-pin jobs pretty easily: I use some 1 - 5/16 outside diameter white
PVC pipe, and a 4 pin bakelite tube base. The base fits pretty tightly inside
the PVC, and I use that epoxy that is used for plastics to glue it together.

Then I cut the PVC pipe off at about 3 1/4 inches long.

Works pretty neat.

Haven't been able to come up with any 5 or 6 pin combinations yet though.

Ken W7EKB

707. Pi Network , Philmore NT-200 , N2EY

Yahoo group: glowbugradio
Date: 2010-09-12 16:52:58 UTC
From: Charlie , W5COV
Topic: 707 Message: 707

Jim , after looking at the diagram and parts available , I for one , would be interested in your description of a pi network using BCB variables .

I will be the first to admit that my design skills for tube gear are somewhat limited .

While as a Novice I did build everything out of tubes , back in the early 60's when I was 11 or 12 years old , when it came time to get a real job in the electronics world , nearly everything that I worked on from the beginning was solid state all the way through computer controlled power plants .

I appreciate EVERYONE on this list , helping me get back into actively building tube projects . It is nice to have such a wealth of knowledge from "Elmers" from all across the country .

Unfortunately in the area that I live in , I am one of the oldest hams and the only one that still does ANY building so I depend heavily on this group to gain theory and working knowledge and as a source to locate parts that are virtually non existent in this area , beyond my own junk boxes .

Thanks !!

Charlie , W5COV

708. RE: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-12 17:27:36 UTC
From: D C *Mac* Macdonald
Topic: 648 Message: 708

My Walter Ashe WAT-25 Novice transmitter rig used
the 6AG7 as a "modified Pierce" oscillator with
the screen grid providing the "plate" function.

The 6AG7 used regulated 150 VDC from a VR-150/OD3
regulator for power. With switchable ~350 VDC as
the source for the 6L6 plate and screen disabled,
you could use the very low power of the 6AG7 as a
short range code practice oscillator!

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~ 73 - Mac, K2GKK/5 ~
~ (Since 30 Nov 53) ~
~ Oklahoma City, OK ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

_____
To: glowbugradio@yahoogroups.com
From: N2EY@...
Date: Sat, 11 Sep 2010 05:56:25 -0400
Subject: Re: [glowbugradio] Philmore NT-200

In a message dated 9/11/2010 12:54:13 A.M. Eastern Daylight Time,
kgordon2006@verizon.net writes:

On 10 Sep 2010 at 21:20, N2EY@... wrote:

4) The 6V6 used in this rig is a good choice because the
modified-Pierce circuit is used. That circuit has the cathode grounded
for RF, so there's no disadvantage if the BF plates are connected to
the cathode.

Well, actually I think there is: I think the screen is still
being used as the "plate" of the oscillator-proper even here.
In a standard ECO, the screen is grounded for RF in order to
also provide some separation between the oscillator section
and the plate circuit. With the 6V6, that function goes away.

Good point. But the main one is that the modified Pierce has low
crystal current with all the tubes, not just the 6AG7.

The other common harmonic oscillator circuits (Tri-Tet and
Grid-Plate) have the cathode above ground for RF, and a beam tube
with the BF plates connected to the cathode isn't a good idea.
I never have thought much of the Tri-Tet anyway. :-)

Nor I. It always seemed more complex, in that you need to change the cathode coil when changing bands.

I re-read the 1950 crystal oscillator article, and discovered that the modified-Pierce circuit had low crystal current for all the tubes they tried - including the 6V6. Under 30 mA for all the tubes tried!

Yup. It's a really good circuit! Simple and effective.

The superiority of the 6AG7 is most apparent with the grid-plate circuit, but that's not used in the NT-200.

No, but we had thought to substitute the 6AG7 for the 6V6 in that rig. Call it an NT-200B. ;-)

Need to check that plate and screen voltages, and other factors, give proper drive to the 6L6.

Another interesting bit of that article is the importance of proper feedback in the various circuits. (Last part of the article). Even the 6AG7 suffers if the feedback is wrong.

73 de Jim, N2EY

709. HR-10 & Meissner

Yahoo group: glowbugradio
Date: 2010-09-12 18:24:37 UTC
From: Barrie Smith
Topic: 709 Message: 709

Hello:

Good to see some activity on this list.

When the HR-10 came up, I thought I had one. Looking in the basement at work, I did find it. Looks to be in fine shape, and I do remember that it did work (25 years ago).

For the last several years I've been looking for a receiver I built while in the Boy Scouts in the mid 1940s. It was a three tube Meissner regen, with plug-in coils and a large vernier dial. Had a "fat", resistive line-cord for 110 volt operation.

I heard the world on that radio. My parents had to drag me out of the basement to go to bed!

I have seen a similar unit that used miniature tubes, but the one I had used larger tubes with numbers in the lower 30s.

Now, I'm only guessing that it was a Meissner. I have a couple of books that show the construction details of several of the older Meissner regen kits. None look familiar, so perhaps the kit was another make.

I'd appreciate comments from anyone that may remember a similar radio.

73, Barrie, W7ALW, Since 1950

710. Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-12 18:42:33 UTC
From: N2EY@aol.com
Topic: 710 Message: 710

The following is a worked example for the NT-200 pi-net. The method used is one I worked out some time back on the Glowbug group, and are based on info from the RSGB Handbook. Not the only way to do it, but it has worked for me.

There are some assumptions and simplifications along the way, but these are OK because we only need to get within 10 or 20 percent of the exact answer to have a working rig.

I can provide a more-detailed theoretical background for the following, but I suspect most folks are more interested in a practical example.

Here we go:

Suppose we want to redesign the NT-200 pi-net for 80 CW transmitter. It uses a 6L6 in the final with 370 volts and 67 mA on the plate and Class C operation. We'll assume 70% tube efficiency and use a Q of 15 to keep the harmonics down.

First the output impedance of the 6L6:

R1 = (Bplus / Plate current) * 460

R1 = (370/67) * 460

R1 = 2540 ohms

We'll allow R2 (the load impedance) to be 52 ohms

Next we calculate T (a factor that appears in several equations. Calculating it by itself makes the equations simpler).

T = 1 + sqrt(R2/R1)

T = 1 + sqrt(52/2540)

T = 1 + 0.143

T = 1.143

Next the reactances of the pi-network components. By computing reactances, we can find the values for multiple bands by deriving the L and C values that will give those reactances at the operating frequency.

Plate cap:

XC1 = (R1/Q) * T

XC1 = 2540/15 * 1.143

XC1 = 194 ohms

Load cap

XC2 = XC1 * (T-1)

XC2 = 194 * 0.143

XC2 = 27 ohms

Coil

XL = (R1/Q) * T^2

XL = (2540/15) * (1.143^2)

XL = 169 * 1.3

XL = 220 ohms

Now to find component values. Note that in the case of the plate cap we must add in stray and tube capacitances, and in the case of the coil we must allow for stray inductance.

For 80 meter CW, we'll use 3 55 Mc. Most ham bands are narrow enough that using the band center is OK, but on 80 and 160 you might consider calculating for both ends to be sure.

W = 6.28 * F

W = 22.3

C = 1,000,000 / W * XC

L = XL / W

so

C1 = 1,000,000 / (22.3 * 194)

C1 = 231 uuF

C2 = 1,000,000 / (22.3 * 27)

C2 = 1660 uuF

L = 220 / 22.3

L = 9.87 uH

As a quick check, we use the resonance formula

LC = 25,330/ (F^2)

For 3.55 Mc., a resonant circuit should have the LC product of 25,330/12.6025 or about 2010.

The product of the coil and the plate tuning capacitor is 2280, which is pretty close, so we know we're not way off. If we compute the capacitance of the plate and loading capacitors in series, we get about 203 uuF, and the LC product with the coil is about 2001.

So the values computed are very reasonable.

The output capacitance of the 6L6 is listed as 12 uuF (but see note below!). Allowing a few uuF of wiring capacitance, we see that we'll need at least 215 uuF of plate capacitor. Either a 365 uuF BC variable, or a 170 uuf BC variable with some added fixed C, should be adequate.

For the loading capacitor, the classic 3 gang 365-uuF-per section BC capacitor is great - if we have one. It will only provide about 1100 uuF total, and will still need about 600 uuF of fixed C to reach 1660 uuF. A two-gang 365 uuF will work if we add a more fixed C.

Another approach is to gang two or three smaller caps (say, the typical 170/365 uuF caps found in AA5 receivers) and use the combo for the loading C. But that gets physically big and mechanically complicated.

If it were my rig, I'd do the following:

170/365 uuF variable BC cap for plate tuning, with 365 used for 80 meters.
365/365 uuF variable BC cap for loading, with SPST slide switch to add 700 uuF fixed C, plus a 470 or 560 uuF cap in the coil form. This would give max loading C of almost 2000 uuF, and minimum of about 750 uuF.

For the coil, suppose we have a 1.25 inch form and some #16 enameled wire. If we closewind the turns, we'll get about 19 turns per inch.

The formula I use for solenoid coils is L = (A^2 + N^2) / (9 * A + 10 * B), where

L = inductance in uH
A = coil radius in inches
B = coil length in inches
N = number of turns

Suppose we wind a 23 turn coil 1.25 inches long on the form. Then A = 0.625, B = 1.25, N = 23, and L = 11.42 uH. Close, but a bit high. Let's try 20 turns.

Then A = 0.625, B = 1.1, N = 20, and L = 9.4 uH. Should be OK because we'll have some lead inductance. We can add a half-turn to be sure.

Coils and caps for other bands are left as an exercise for the reader.

If anybody wants to know where the formulas come from, I'll dig out the derivations.

It is always a good idea to put an RF choke across the output of a GB transmitter with a pi-net, for two reasons:

First is safety - if the plate blocking cap shorts you won't get B+ on the antenna. Second is that it reduces the voltage strain on the plate and load caps because there's no DC on them. However, the plate blocking cap has to be able to handle the peak DC and RF voltages, plus a safety factor.

If the above 6L6 transmitter is to be used for CW only and has the "safety RFC", the plate blocking cap should be rated for at least 1000 volts (twice the B+ plus a safety factor) and more is better. The plate tuning capacitor only has to deal with 370 volts at most, so a BC capacitor should be OK.

73 de Jim, N2EY

NOTE: (you thought I forgot, dincha?)

The tube book sez the metal 6L6 has output C of 12 uuF but the glass 6L6G only 6.5 uuF. In the original design, the difference may have been the origin of the "don't use a metal tube" note. Just a guess.

711. Re: [glowbugradio] Plug-in coil-forms

Yahoo group: glowbugradio
Date: 2010-09-12 18:49:43 UTC
From: Carl
Topic: 648 Message: 711

I can sure use any National 6 pin coil forms with the pull ring. With or without coils.

Also any coils for a Scott AW-12 which will become a hamband receiver soon.

Carl
KM1H

------ Original Message -----
From: Charlie , W5COV
To: glowbugradio@yahoogroups.com
Sent: Sunday, September 12, 2010 12:32 PM
Subject: Re: [glowbugradio] Plug-in coil-forms

Ken & Group ,

Last night while going through the junk boxes , I was able to locate some more coil forms and bases , so I have those now for the NT-200 .

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On 10 Sep 2010 at 20:48, Charlie , W5COV wrote:

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the PVC, and I use that epoxy that is used for plastics to glue it together.

Then I cut the PVC pipe off at about 3 1/4 inches long.

Works pretty neat.

Haven't been able to come up with any 5 or 6 pin combinations yet though.

Ken W7EKB

712. Re: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-12 19:06:08 UTC
From: LEE BAHR
Topic: 710 Message: 712

Very nice, Jim.

Lee, w0vt

----- Original Message -----
From: N2EY@aol.com
To: glowbugradio@yahoogroups.com
Sent: Sunday, September 12, 2010 1:42 PM
Subject: [glowbugradio] Pi-Net Design for the NT-200

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Load cap

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713. Re: [glowbugradio] HR-10 & Meissner

Yahoo group: glowbugradio
Date: 2010-09-12 19:45:10 UTC
From: Carl
Topic: 709 Message: 713

That sounds like a National SW-3 Barrie. Meissner wasnt around yet when the 30 series were used

Carl
KM1H

------ Original Message -----
From: Barrie Smith
To: glowbugradio@yahoogroups.com
Sent: Sunday, September 12, 2010 2:24 PM
Subject: [glowbugradio] HR-10 & Meissner

Hello:

Good to see some activity on this list.

When the HR-10 came up, I thought I had one. Looking in the basement at work, I did find it. Looks to be in fine shape, and I do remember that it did work (25 years ago).

For the last several years I've been looking for a receiver I built while in the Boy Scouts in the mid 1940s. It was a three tube Meissner regen, with plug-in coils and a large vernier dial. Had a "fat", resistive line-cord for 110 volt operation.

I heard the world on that radio. My parents had to drag me out of the basement to go to bed!

I have seen a similar unit that used miniature tubes, but the one I had used larger tubes with numbers in the lower 30s.

Now, I'm only guessing that it was a Meissner. I have a couple of books that show the construction details of several of the older Meissner regen kits. None look familiar, so perhaps the kit was another make.

I'd appreciate comments from anyone that may remember a similar radio.

73, Barrie, W7ALW, Since 1950

714. 3 tube regen

Yahoo group: glowbugradio
Date: 2010-09-12 19:50:16 UTC
From: N2EY@aol.com
Topic: 714 Message: 714

Did it look like this one?

http://www.w7oil.com/images/SW-3.jpg
(http://www.w7oil.com/images/SW-3.jpg)

73 de Jim, N2EY

715. Re: [glowbugradio] 3 tube regen

Yahoo group: glowbugradio
Date: 2010-09-12 20:24:12 UTC
From: Barrie Smith
Topic: 714 Message: 715

Carl & Jim:

No, it wasn't an SW-3. There were a few differences. I think the SW-3 uses a power supply. My receiver was "plug into the 120 volt". It used a "third wire" resistive cord to lower the voltage for the filaments.

Also, there was no cabinet. It was just the chassis and front panel, with tubes and coils in plain view. The vernier dial was just that, with no window above, as in the SW-3.

I know mine was not modified because I (and several other Boy Scouts) built it from a kit. Now, this was in Vancouver, British Columbia, Canada. Perhaps it was a Canadian kit?

I'd probably settle for an SW-3, but they seem to go for lots of money and always seem to be missing something.

Thanks for the info!

73, Barrie, W7ALW

----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Sunday, September 12, 2010 1:50 PM
Subject: [glowbugradio] 3 tube regen

Did it look like this one?

http://www.w7oil.com/images/SW-3.jpg

73 de Jim, N2EY

716. RE: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-12 20:28:34 UTC
From: D C *Mac* Macdonald
Topic: 710 Message: 716

My Walter Ashe WAT-25 used 140 mmfd Hammarlund variables
for both the tuning and loading caps and however much wire
wound on a 1.5" diameter Millen coil form it took to get it
to load just about any kind of a wire.

I had no idea how much current the 6L6 was running. Tuning
was done with a 150 mA lamp in a rubber grommet on the top
of the chassis to indicate dip and load of the pi-net.

Great fun along with the matching WAR-25 6SN7GT regen receiver
and the WAP-25 power supply to run it all at $49.50 or so
plus shipping! The mechanical clicking of the J-38 drove
my little brother nutty when I operated in the wee hours!

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~ 73 - Mac, K2GKK/5 ~
~ (Since 30 Nov 53) ~
~ Oklahoma City, OK ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

> To: glowbugradio@yahoogroups.com
> From: pulsarxp@...
> Date: Sun, 12 Sep 2010 14:06:08 -0500
> Subject: Re: [glowbugradio] Pi-Net Design for the NT-200
>
>
>
> Very nice, Jim.
>
> Lee, w0vt
>
>
> ----- Original Message -----
> From: N2EY@...
> To: glowbugradio@yahoogroups.com
> Sent: Sunday, September 12, 2010 1:42 PM
> Subject: [glowbugradio] Pi-Net Design for the NT-200
>
>
>
> The following is a worked example for the NT-200 pi-net. The method
> used is one I worked out some time back on the Glowbug group, and are
> based on info from the RSGB Handbook. Not the only way to do it, but it
> has worked for me.
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> There are some assumptions and simplifications along the way, but these
> are OK because we only need to get within 10 or 20 percent of the exact
> answer to have a working rig.
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> I can provide a more-detailed theoretical background for the following,
> but I suspect most folks are more interested in a practical example.
>
> Here we go:
>
> Suppose we want to redesign the NT-200 pi-net for 80 CW transmitter. It
> uses a 6L6 in the final with 370 volts and 67 mA on the plate and Class
> C operation. We'll assume 70% tube efficiency and use a Q of 15 to keep
> the harmonics down.
>
> First the output impedance of the 6L6:
>
> R1 = (Bplus / Plate current) * 460
>
> R1 = (370/67) * 460
>
> R1 = 2540 ohms
>
> We'll allow R2 (the load impedance) to be 52 ohms
>
> Next we calculate T (a factor that appears in several equations.
> Calculating it by itself makes the equations simpler).
>
> T = 1 + sqrt(R2/R1)
>
> T = 1 + sqrt(52/2540)
>
> T = 1 + 0.143
>
> T = 1.143
>
> Next the reactances of the pi-network components. By computing
> reactances, we can find the values for multiple bands by deriving the L
> and C values that will give those reactances at the operating
> frequency.
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> Plate cap:
>
> XC1 = (R1/Q) * T
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> XC1 = 2540/15 * 1.143
>
> XC1 = 194 ohms
>
>
> Load cap

>
> XC2 = XC1 * (T-1)
>
> XC2 = 194 * 0.143
>
> XC2 = 27 ohms
>
>
> Coil
>
> XL = (R1/Q) * T^2
>
> XL = (2540/15) * (1.143^2)
>
> XL = 169 * 1.3
>
> XL = 220 ohms
>
> Now to find component values. Note that in the case of the plate cap we
> must add in stray and tube capacitances, and in the case of the coil we
> must allow for stray inductance.
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> For 80 meter CW, we'll use 3 55 Mc. Most ham bands are narrow enough
> that using the band center is OK, but on 80 and 160 you might consider
> calculating for both ends to be sure.
>
> W = 6.28 * F
>
> W = 22.3
>
> C = 1,000,000 / W * XC
>
> L = XL / W
>
> so
>
> C1 = 1,000,000 / (22.3 * 194)
>
> C1 = 231 uuF
>
>
> C2 = 1,000,000 / (22.3 * 27)
>
> C2 = 1660 uuF
>
>
> L = 220 / 22.3
>
> L = 9.87 uH
>

> As a quick check, we use the resonance formula
>
> LC = 25,330/ (F^2)
>
> For 3.55 Mc., a resonant circuit should have the LC product of
> 25,330/12.6025 or about 2010.
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> The product of the coil and the plate tuning capacitor is 2280, which
> is pretty close, so we know we're not way off. If we compute
> the capacitance of the plate and loading capacitors in series, we get
> about 203 uuF, and the LC product with the coil is about 2001.
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> So the values computed are very reasonable.
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> below!). Allowing a few uuF of wiring capacitance, we see that we'll
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> or a 170 uuf BC variable with some added fixed C, should be adequate.
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> For the loading capacitor, the classic 3 gang 365-uuF-per section BC
> capacitor is great - if we have one. It will only provide about 1100
> uuF total, and will still need about 600 uuF of fixed C to reach 1660
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> 365/365 uuF variable BC cap for loading, with SPST slide switch to add
> 700 uuF fixed C, plus a 470 or 560 uuF cap in the coil form. This would
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> For the coil, suppose we have a 1.25 inch form and some #16 enameled
> wire. If we closewind the turns, we'll get about 19 turns per inch.
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> The formula I use for solenoid coils is L = (A^2 + N^2) / (9 * A + 10 *
> B), where
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> L = inductance in uH
> A = coil radius in inches
> B = coil length in inches
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> Suppose we wind a 23 turn coil 1.25 inches long on the form. Then A =
> 0.625, B = 1.25, N = 23, and L = 11.42 uH. Close, but a bit high. Let's
> try 20 turns.

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> Then A = 0.625, B = 1.1, N = 20, and L = 9.4 uH. Should be OK because
> we'll have some lead inductance. We can add a half-turn to be sure.
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> Coils and caps for other bands are left as an exercise for the reader.
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> If anybody wants to know where the formulas come from, I'll dig out the
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> transmitter with a pi-net, for two reasons:
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> and load caps because there's no DC on them. However, the plate
> blocking cap has to be able to handle the peak DC and RF voltages, plus
> a safety factor.
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> If the above 6L6 transmitter is to be used for CW only and has the
> "safety RFC", the plate blocking cap should be rated for at least 1000
> volts (twice the B+ plus a safety factor) and more is better. The plate
> tuning capacitor only has to deal with 370 volts at most, so a BC
> capacitor should be OK.
>
>
> 73 de Jim, N2EY
>
>
> NOTE: (you thought I forgot, dincha?)
>
> The tube book sez the metal 6L6 has output C of 12 uuF but the glass
> 6L6G only 6.5 uuF. In the original design, the difference may have been
> the origin of the "don't use a metal tube" note. Just a guess.
>
>

717. Re: [glowbugradio] Meissner

Yahoo group: glowbugradio
Date: 2010-09-12 20:57:13 UTC
From: Kenneth G. Gordon
Topic: 709 Message: 717

On 12 Sep 2010 at 12:24, Barrie Smith wrote:

> For the last several years I've been looking for a receiver I built
> while in the Boy Scouts in the mid 1940s. It was a three tube Meissner
> regen, with plug-in coils and a large vernier dial. Had a "fat",
> resistive line-cord for 110 volt operation.

Barrie:

Take a look at these pages and tell me/us if this looks familiar.

http://www.w7ekb.com/glowbugs/rx/collins8th/index.html

The link has NOTHING to do with Collins, and I will rearrange the entire section eventually, but for now, it describes the "Meissner Midget Receiver".

Ken Gordon W7EKB

718. Re: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-12 21:34:05 UTC
From: Kenneth G. Gordon
Topic: 710 Message: 718

On 12 Sep 2010 at 14:42, N2EY@... wrote:

> The following is a worked example for the NT-200 pi-net. The method
> used is one I worked out some time back on the Glowbug group, and are
> based on info from the RSGB Handbook. Not the only way to do it, but
> it has worked for me.

(A whole lot of very excellent stuff snipped...good job, Jim!) :-)

Jim, and others:

On the Glowbugs website(s), I have an Excel file that supposedly does all this mathematical hard-work for you. I have not used this recently, but as I remember it, it works pretty well.

Here is the direct link:

http://www.w7ekb.com/glowbugs/Calculators.htm

Then click on "The Pi-L Calculator"

Please check it out as you have time and let me know if it is any good.

Ken W7EKB

719. Re: [glowbugradio] Meissner

Yahoo group: glowbugradio
Date: 2010-09-13 01:47:21 UTC
From: Barrie Smith
Topic: 709 Message: 719

Ken:

That's not it, but the three tube model does look interesting.

I actually found your website and that receiver a few years back. I have it bookmarked.

I'm not familiar with the tubes used. And, there is no coil winding data included.

I'm only interested in using such a receiver on the BCB and shortwave bands, not the ham bands. I've got way too many heavy boatanchor receivers for that use.

73, Barrie, W7ALW
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Barrie Smith" <barrie@...>; <glowbugradio@yahoogroups.com>
Sent: Sunday, September 12, 2010 2:57 PM
Subject: Re: [glowbugradio] Meissner

> On 12 Sep 2010 at 12:24, Barrie Smith wrote:
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> The link has NOTHING to do with Collins, and I will rearrange the entire
> section eventually, but for now, it describes the "Meissner Midget
> Receiver".
>
> Ken Gordon W7EKB
>
>

720. PARASET

Yahoo group: glowbugradio
Date: 2010-09-13 03:28:26 UTC
From: Charlie , W5COV
Topic: 720 Message: 720

Since we are discussing our project currently under construction and future projects that some of us are gathering parts for , I am looking for some parts to complete my "hot" project on the bench .

I am attempting to duplicate a Paraset Replica as closely as possible , for my younger son to display in his home military museum and hopefully since he is currently a no code ham , it will interest him in getting on CW to demonstrate it .

I am presently waiting for an original set of knobs that were molded this past summer from the original molds .

The key is done as are the coils .

What I have not yet located is two crystal sockets . One for the crystal and one for the antenna / ground connector .

Most groups say these can be found in BC-610 tuning units . I would really prefer to not to have to buy two tuning units just to get the sockets .

They also recommend the 100 uuf variables out of the same unit . It takes 3 of them . I have capacitors that look very similar , perhaps there is a reason for using the tuning unit capacitors , method of mounting or shaft .

Also the original Parasets use octal pertinax sockets . I was sure I had those and probably do , but can not locate them right now . It takes 3 of those .

I am also interested in a single FT-171 crystal in the ham bands . either 80 or 40 is fine .

If you have any of these items for sale , please let me know , I would like to complete this project and move on to the NT-200 .

Thanks ,

Charlie , W5COV

721. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2010-09-13 16:07:01 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 721

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/PETER W. DAHL CO..txt
Uploaded by : ka1unw <rfloberg@...>
Description : Peter Dahl Transformer Specs

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/Technical/PETER%20W.%20DAHL%20CO..txt

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

ka1unw <rfloberg@...>

722. Fw: Fw: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-13 19:37:59 UTC
From: LEE BAHR
Topic: 722 Message: 722

Have you seen this calculator?

http://www.qsl.net/wa2whv/radiocalcs.shtml

Q15

Freq C1 L C2

1825 460 18.4 2788

3555 236 9. 4 1431

7025 120 4.8 724

10.125 83 3.3 503

(Gives slightly different numbers then Jim's formulas, especially for C2)

Lee, w0vt

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>> these are OK because we only need to get within 10 or 20 percent of the
>> exact answer to have a working rig.
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>> I can provide a more-detailed theoretical background for the
>> following, but I suspect most folks are more interested in a practical
>> example.
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>> Here we go:
>>
>> Suppose we want to redesign the NT-200 pi-net for 80 CW transmitter.
>> It uses a 6L6 in the final with 370 volts and 67 mA on the plate and
>> Class C operation. We'll assume 70% tube efficiency and use a Q of 15 to
>> keep the harmonics down.
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>> First the output impedance of the 6L6:
>>
>> R1 = (Bplus / Plate current) * 460
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>> R1 = (370/67) * 460
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>> R1 = 2540 ohms
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>> We'll allow R2 (the load impedance) to be 52 ohms
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>> Next we calculate T (a factor that appears in several equations.
>> Calculating it by itself makes the equations simpler).
>>
>> T = 1 + sqrt(R2/R1)
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>> T = 1 + sqrt(52/2540)
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>> T = 1 + 0.143
>>
>> T = 1.143
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>> Next the reactances of the pi-network components. By computing
>> reactances, we can find the values for multiple bands by deriving the L
>> and C values that will give those reactances at the operating frequency.
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>> Plate cap:
>>
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>> XC1 = 2540/15 * 1.143
>>
>> XC1 = 194 ohms
>>
>>
>> Load cap
>>
>> XC2 = XC1 * (T-1)
>>
>> XC2 = 194 * 0.143
>>
>> XC2 = 27 ohms
>>
>>
>> Coil
>>
>> XL = (R1/Q) * T^2
>>
>> XL = (2540/15) * (1.143^2)
>>
>> XL = 169 * 1.3

>>
>> XL = 220 ohms
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>> we must add in stray and tube capacitances, and in the case of the coil
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>> For 80 meter CW, we'll use 3 55 Mc. Most ham bands are narrow enough
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>> calculating for both ends to be sure.
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>> W = 6.28 * F
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>> W = 22.3
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>> C = 1,000,000 / W * XC
>>
>> L = XL / W
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>> so
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>> C1 = 1,000,000 / (22.3 * 194)
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>> C1 = 231 uuF
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>>
>> C2 = 1,000,000 / (22.3 * 27)
>>
>> C2 = 1660 uuF
>>
>>
>> L = 220 / 22.3
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>> L = 9.87 uH
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>> As a quick check, we use the resonance formula
>>
>> LC = 25,330/ (F^2)
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>> For 3.55 Mc., a resonant circuit should have the LC product of
>> 25,330/12.6025 or about 2010.
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>> is pretty close, so we know we're not way off. If we compute the
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>> 203 uuF, and the LC product with the coil is about 2001.
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>> below!). Allowing a few uuF of wiring capacitance, we see that we'll need
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>> 170 uuf BC variable with some added fixed C, should be adequate.
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>> For the loading capacitor, the classic 3 gang 365-uuF-per section BC
>> capacitor is great - if we have one. It will only provide about 1100 uuF
>> total, and will still need about 600 uuF of fixed C to reach 1660 uuF. A
>> two-gang 365 uuF will work if we add a more fixed C.
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>> 170/365 uuF variable BC cap for plate tuning, with 365 used for 80
>> meters.
>> 365/365 uuF variable BC cap for loading, with SPST slide switch to
>> add 700 uuF fixed C, plus a 470 or 560 uuF cap in the coil form. This
>> would give max loading C of almost 2000 uuF, and minimum of about 750
>> uuF.
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>> For the coil, suppose we have a 1.25 inch form and some #16 enameled
>> wire. If we closewind the turns, we'll get about 19 turns per inch.
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>> The formula I use for solenoid coils is L = (A^2 + N^2) / (9 * A + 10
>> * B), where
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>> L = inductance in uH
>> A = coil radius in inches
>> B = coil length in inches
>> N = number of turns
>>
>> Suppose we wind a 23 turn coil 1.25 inches long on the form. Then A =
>> 0.625, B = 1.25, N = 23, and L = 11.42 uH. Close, but a bit high. Let's
>> try 20 turns.
>>
>> Then A = 0.625, B = 1.1, N = 20, and L = 9.4 uH. Should be OK because
>> we'll have some lead inductance. We can add a half-turn to be sure.
>>
>> Coils and caps for other bands are left as an exercise for the
>> reader.
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>> If anybody wants to know where the formulas come from, I'll dig out
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>> volts (twice the B+ plus a safety factor) and more is better. The plate
>> tuning capacitor only has to deal with 370 volts at most, so a BC
>> capacitor should be OK.
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>> 73 de Jim, N2EY
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723. Re: Fw: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-13 20:10:32 UTC
From: Carl
Topic: 723 Message: 723

The only program I trust is part way down the page on this link which also has a lot of other good info.It also beats using a calculator and is no more complicated than a 1040 Form (-;

http://www.ifwtech.co.uk/g3sek/

Carl
KM1H

----- Original Message -----
From: LEE BAHR
To: glowbugradio@yahoogroups.com
Sent: Monday, September 13, 2010 3:37 PM
Subject: Fw: Fw: [glowbugradio] Pi-Net Design for the NT-200

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>> If anybody wants to know where the formulas come from, I'll dig out
>> the derivations.
>>
>> ---
>>
>> It is always a good idea to put an RF choke across the output of a GB
>> transmitter with a pi-net, for two reasons:
>>
>> First is safety - if the plate blocking cap shorts you won't get B+
>> on the antenna. Second is that it reduces the voltage strain on the plate
>> and load caps because there's no DC on them. However, the plate blocking
>> cap has to be able to handle the peak DC and RF voltages, plus a safety
>> factor.
>>
>> If the above 6L6 transmitter is to be used for CW only and has the
>> "safety RFC", the plate blocking cap should be rated for at least 1000
>> volts (twice the B+ plus a safety factor) and more is better. The plate
>> tuning capacitor only has to deal with 370 volts at most, so a BC
>> capacitor should be OK.
>>
>>
>> 73 de Jim, N2EY
>>

724. RE: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-13 20:33:55 UTC
From: D C *Mac* Macdonald
Topic: 722 Message: 724

To heck with fancy calculations!

Thanks go to Rodger Singley, WQ9E for his scan
of the Radio & Television News articles from
1953 that carried the info on the Walter Ashe
WAT-25 transmitter that I used as a Novice.
6AG7 modified Pierce crystal oscillator and
6L6 final to get MAYBE 15 Watts of output.

It used a pair of 140 mmfd variables and 48 turns
of #20 AWG enameled wire on a 1.5" micalex form
for 80 meters and 18 turns for 40 meters for its
pi-netowrk.

I used a 40 meter dipole fed with 75 Ohm twinlead
and tied both conductors together to use it on
80 meters.

Probably not super high Q, but I worked some 35
or so states with it with one 80m and one 40m
crystal. Probably why I got an "OO" notice for
harmonic up on 20m!

I found the mating WAR-25 6SN7GT regen detector
and audio amp much more useful than the S-38 I
borrowed for awhile when the 6SN7GT gave up the
ghost and I couldn't afford a new tube!

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~ 73 - Mac, K2GKK/5 ~
~ (Since 30 Nov 53) ~
~ Oklahoma City, OK ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

* "An unarmed man can but flee *
* from evil. Evil can NEVER be *
* overcome by flight FROM it." *

To: glowbugradio@yahoogroups.com
From: pulsarxp@embarqmail.com
Date: Mon, 13 Sep 2010 14:37:59 -0500
Subject: Fw: Fw: [glowbugradio] Pi-Net Design for the NT-200

Have you seen this calculator?

http://www.qsl.net/wa2whv/radiocalcs.shtml

Q15

Freq C1 L C2

1825 460 18.4 2788

3555 236 9. 4 1431

7025 120 4.8 724

10.125 83 3.3 503

(Gives slightly different numbers then Jim's formulas, especially for C2)

Lee, w0vt

>>
>>
>> Subject: [glowbugradio] Pi-Net Design for the NT-200
>>
>>
>>
>>
>> The following is a worked example for the NT-200 pi-net. The method
>> used is one I worked out some time back on the Glowbug group, and are
>> based on info from the RSGB Handbook. Not the only way to do it, but it
>> has worked for me.
>>
>> There are some assumptions and simplifications along the way, but
>> these are OK because we only need to get within 10 or 20 percent of the
>> exact answer to have a working rig.
>>
>> I can provide a more-detailed theoretical background for the
>> following, but I suspect most folks are more interested in a practical
>> example.
>>
>> Here we go:
>>
>> Suppose we want to redesign the NT-200 pi-net for 80 CW transmitter.
>> It uses a 6L6 in the final with 370 volts and 67 mA on the plate and
>> Class C operation. We'll assume 70% tube efficiency and use a Q of 15 to
>> keep the harmonics down.
>>
>> First the output impedance of the 6L6:
>>
>> R1 = (Bplus / Plate current) * 460
>>
>> R1 = (370/67) * 460
>>
>> R1 = 2540 ohms
>>
>> We'll allow R2 (the load impedance) to be 52 ohms
>>
>> Next we calculate T (a factor that appears in several equations.
>> Calculating it by itself makes the equations simpler).

>>
>> T = 1 + sqrt(R2/R1)
>>
>> T = 1 + sqrt(52/2540)
>>
>> T = 1 + 0.143
>>
>> T = 1.143
>>
>> Next the reactances of the pi-network components. By computing
>> reactances, we can find the values for multiple bands by deriving the L
>> and C values that will give those reactances at the operating frequency.
>>
>> Plate cap:
>>
>> XC1 = (R1/Q) * T
>>
>> XC1 = 2540/15 * 1.143
>>
>> XC1 = 194 ohms
>>
>>
>> Load cap
>>
>> XC2 = XC1 * (T-1)
>>
>> XC2 = 194 * 0.143
>>
>> XC2 = 27 ohms
>>
>>
>> Coil
>>
>> XL = (R1/Q) * T^2
>>
>> XL = (2540/15) * (1.143^2)
>>
>> XL = 169 * 1.3
>>
>> XL = 220 ohms
>>
>> Now to find component values. Note that in the case of the plate cap
>> we must add in stray and tube capacitances, and in the case of the coil
>> we must allow for stray inductance.
>>
>> For 80 meter CW, we'll use 3 55 Mc. Most ham bands are narrow enough
>> that using the band center is OK, but on 80 and 160 you might consider
>> calculating for both ends to be sure.
>>
>> W = 6.28 * F

>>
>> W = 22.3
>>
>> C = 1,000,000 / W * XC
>>
>> L = XL / W
>>
>> so
>>
>> C1 = 1,000,000 / (22.3 * 194)
>>
>> C1 = 231 uuF
>>
>>
>> C2 = 1,000,000 / (22.3 * 27)
>>
>> C2 = 1660 uuF
>>
>>
>> L = 220 / 22.3
>>
>> L = 9.87 uH
>>
>> As a quick check, we use the resonance formula
>>
>> LC = 25,330/ (F^2)
>>
>> For 3.55 Mc., a resonant circuit should have the LC product of
>> 25,330/12.6025 or about 2010.
>>
>> The product of the coil and the plate tuning capacitor is 2280, which
>> is pretty close, so we know we're not way off. If we compute the
>> capacitance of the plate and loading capacitors in series, we get about
>> 203 uuF, and the LC product with the coil is about 2001.
>>
>> So the values computed are very reasonable.
>>
>> The output capacitance of the 6L6 is listed as 12 uuF (but see note
>> below!). Allowing a few uuF of wiring capacitance, we see that we'll need
>> at least 215 uuF of plate capacitor. Either a 365 uuF BC variable, or a
>> 170 uuf BC variable with some added fixed C, should be adequate.
>>
>> For the loading capacitor, the classic 3 gang 365-uuF-per section BC
>> capacitor is great - if we have one. It will only provide about 1100 uuF
>> total, and will still need about 600 uuF of fixed C to reach 1660 uuF. A
>> two-gang 365 uuF will work if we add a more fixed C.
>>
>> Another approach is to gang two or three smaller caps (say, the
>> typical 170/365 uuF caps found in AA5 receivers) and use the combo for
>> the loading C. But that gets physically big and mechanically complicated.

>>
>> If it were my rig, I'd do the following:
>>
>> 170/365 uuF variable BC cap for plate tuning, with 365 used for 80
>> meters.
>> 365/365 uuF variable BC cap for loading, with SPST slide switch to
>> add 700 uuF fixed C, plus a 470 or 560 uuF cap in the coil form. This
>> would give max loading C of almost 2000 uuF, and minimum of about 750
>> uuF.
>>
>>
>> For the coil, suppose we have a 1.25 inch form and some #16 enameled
>> wire. If we closewind the turns, we'll get about 19 turns per inch.
>>
>> The formula I use for solenoid coils is L = (A^2 + N^2) / (9 * A + 10
>> * B), where
>>
>> L = inductance in uH
>> A = coil radius in inches
>> B = coil length in inches
>> N = number of turns
>>
>> Suppose we wind a 23 turn coil 1.25 inches long on the form. Then A =
>> 0.625, B = 1.25, N = 23, and L = 11.42 uH. Close, but a bit high. Let's
>> try 20 turns.
>>
>> Then A = 0.625, B = 1.1, N = 20, and L = 9.4 uH. Should be OK because
>> we'll have some lead inductance. We can add a half-turn to be sure.
>>
>> Coils and caps for other bands are left as an exercise for the
>> reader.
>>
>> If anybody wants to know where the formulas come from, I'll dig out
>> the derivations.
>>
>> ---
>>
>> It is always a good idea to put an RF choke across the output of a GB
>> transmitter with a pi-net, for two reasons:
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>> First is safety - if the plate blocking cap shorts you won't get B+
>> on the antenna. Second is that it reduces the voltage strain on the plate
>> and load caps because there's no DC on them. However, the plate blocking
>> cap has to be able to handle the peak DC and RF voltages, plus a safety
>> factor.
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>> If the above 6L6 transmitter is to be used for CW only and has the
>> "safety RFC", the plate blocking cap should be rated for at least 1000
>> volts (twice the B+ plus a safety factor) and more is better. The plate
>> tuning capacitor only has to deal with 370 volts at most, so a BC

>> capacitor should be OK.
>>
>>
>> 73 de Jim, N2EY
>>

725. Walter Ashe Equipment

Yahoo group: glowbugradio
Date: 2010-09-13 20:49:53 UTC
From: Charlie , W5COV
Topic: 725 Message: 725

Mac, do you know of any pictures or diagrams of the WAT-25 transmitter and the WAR-25 receiver ?

Another one of the rigs that I can't seem to recall in my old unreliable memory .

Charlie , W5COV

LowFER Beacon , CV , 185.298.25 kHz. ,QRSS60 , 24 / 7 , EM26ex , Oklahoma

726. Re: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-13 20:49:59 UTC
From: LEE BAHR
Topic: 722 Message: 726

Yes, but many of you are missing the point. The pi not only matches the tube impedence to the antenna impedence, but it also is used to stop harmonics. Jim's point was to do this you need a nice Q like 15. For this to happen, the C goes way up compaired to what many old designs used in ther transmitters. By putting in a modern designed pi network you can't use 100 pf capacitors for C1 nor 100 pf caps for C2 for 80 or even 40 meters. The requirement is much higher then this value if you want a pi net that will do a good job filtering out harmonics and match present day FCC standards. (You can resonate a circuit with high L and low C or visa versa. However, that doesn't mean the harmonic rejection stays the same nor does the efficiency when you do this).

Lee, w0vt

>
> To heck with fancy calculations!
>
> Thanks go to Rodger Singley, WQ9E for his scan
> of the Radio & Television News articles from
> 1953 that carried the info on the Walter Ashe
> WAT-25 transmitter that I used as a Novice.
> 6AG7 modified Pierce crystal oscillator and
> 6L6 final to get MAYBE 15 Watts of output.
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> It used a pair of 140 mmfd variables and 48 turns
> of #20 AWG enameled wire on a 1.5" micalex form
> for 80 meters and 18 turns for 40 meters for its
> pi-netowrk.
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> I used a 40 meter dipole fed with 75 Ohm twinlead
> and tied both conductors together to use it on
> 80 meters.
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> Probably not super high Q, but I worked some 35
> or so states with it with one 80m and one 40m
> crystal. Probably why I got an "OO" notice for
> harmonic up on 20m!
>
> I found the mating WAR-25 6SN7GT regen detector
> and audio amp much more useful than the S-38 I
> borrowed for awhile when the 6SN7GT gave up the
> ghost and I couldn't afford a new tube!
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> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
> ~ 73 - Mac, K2GKK/5 ~

> ~ (Since 30 Nov 53) ~
> ~ Oklahoma City, OK ~
> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
>
>

727. Re: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-13 21:20:48 UTC
From: Kenneth G. Gordon
Topic: 722 Message: 727

What Lee said....

On 13 Sep 2010 at 15:49, LEE BAHR wrote:

> Yes, but many of you are missing the point. The pi not only matches
> the tube impedence to the antenna impedence, but it also is used to
> stop harmonics.

This is quite critical in today's world.

> Jim's point was to do this you need a nice Q like 15.
> For this to happen, the C goes way up compared to what many old
> designs used in ther transmitters. By putting in a modern designed pi
> network you can't use 100 pf capacitors for C1 nor 100 pf caps for C2
> for 80 or even 40 meters. The requirement is much higher then this
> value if you want a pi net that will do a good job filtering out
> harmonics and match present day FCC standards. (You can resonate a
> circuit with high L and low C or visa versa. However, that doesn't
> mean the harmonic rejection stays the same nor does the efficiency
> when you do this).

Yes. Why do you guys think that Philmore made such a big deal out the
wave-trap?

Answer: because their Pi-net design was not capable of PROPERLY filtering
out the harmonics. The "C" was too low and the "L" was too high and the "Q"
was MUCH too low.

So, yes, what Lee said...and Jim too...

Probably at the time that the Philmore NT-200 was designed, 365 pfd BC
variables were not so easily available, especially multi-gang ones.

Ken W7EKB

728. Re: [glowbugradio] PARASET

Yahoo group: glowbugradio
Date: 2010-09-13 21:32:04 UTC
From: Paul Daulton
Topic: 720 Message: 728
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

729. Re: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-14 00:15:16 UTC
From: Carl
Topic: 710 Message: 729

Absolutely Lee, I know very few Novices who didnt get OO reports or worse from those damn untuned oscillator stages and a single stage output of questionable harmonic attenuation. Im still the proud owner of a pair of FCC QSL's from QRMing a Canadian aviation frequency with my 80M 3rd harmonic. Exit one TX and enter another with a tuned oscillator plus now a buffer/multiplier; that was a 6AG7, 6V6, 6L6 and made a lot of 80, 40 and 15M QSO's.

These days Id also suggest running the 6L6 in not so deep a Class C or maybe even B if you dont mind the lower output. A lot less clicks and harmonics however.

Carl
KM1H

.
------ Original Message -----
From: "LEE BAHR" <pulsarxp@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, September 13, 2010 4:49 PM
Subject: Re: [glowbugradio] Pi-Net Design for the NT-200

> Yes, but many of you are missing the point. The pi not only matches the
> tube impedence to the antenna impedence, but it also is used to stop
> harmonics. Jim's point was to do this you need a nice Q like 15. For
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> to happen, the C goes way up compaired to what many old designs used in
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> transmitters. By putting in a modern designed pi network you can't use
> 100
> pf capacitors for C1 nor 100 pf caps for C2 for 80 or even 40 meters. The
> requirement is much higher then this value if you want a pi net that will
> do
> a good job filtering out harmonics and match present day FCC standards.
> (You can resonate a circuit with high L and low C or visa versa. However,
> that doesn't mean the harmonic rejection stays the same nor does the
> efficiency when you do this).
>
> Lee, w0vt
>
>
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>> To heck with fancy calculations!
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>> Thanks go to Rodger Singley, WQ9E for his scan
>> of the Radio & Television News articles from

>> 1953 that carried the info on the Walter Ashe
>> WAT-25 transmitter that I used as a Novice.
>> 6AG7 modified Pierce crystal oscillator and
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>> pi-netowrk.
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>> and tied both conductors together to use it on
>> 80 meters.
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>> Probably not super high Q, but I worked some 35
>> or so states with it with one 80m and one 40m
>> crystal. Probably why I got an "OO" notice for
>> harmonic up on 20m!
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>> I found the mating WAR-25 6SN7GT regen detector
>> and audio amp much more useful than the S-38 I
>> borrowed for awhile when the 6SN7GT gave up the
>> ghost and I couldn't afford a new tube!
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>> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
>> ~ 73 - Mac, K2GKK/5 ~
>> ~ (Since 30 Nov 53) ~
>> ~ Oklahoma City, OK ~
>> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
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>>
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> ------------------------------------
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> Yahoo! Groups Links
>
>
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730. Re: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-14 00:28:18 UTC
From: LEE BAHR
Topic: 710 Message: 730

Carl,

The QSL cards reminds me of a story. I was about 15 and had the call W9DRC. This was back around 1954. There was a Niki base around 5 miles from my parents home. K2BDE was stationed there and I talked to him a lot. I decided to build a crude VFO one day and wanted to try it out, so I contacted my buddy, K2BDE down the road. I made some transmissions and then he gave me the news. He asked me if I wanted the good or bad news first. I said, "give me the good news first". With that he said, you are 20 dB over S-9 and have a really good signal. Then I asked him, "what's the bad news"? He said,"you'r wiping out WWV on 10 Mhz! I was using a Globe Scout. After that, I decided to sell the VFO to my good friend with more power, W9DXS, now W5DXS. (He still is my friend)! :-)

Lee, w0vt

----- Original Message -----
From: "Carl" <km1h@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, September 13, 2010 7:15 PM
Subject: Re: [glowbugradio] Pi-Net Design for the NT-200

> Absolutely Lee, I know very few Novices who didnt get OO reports or worse
> from those damn untuned oscillator stages and a single stage output of
> questionable harmonic attenuation. Im still the proud owner of a pair of
> FCC
> QSL's from QRMing a Canadian aviation frequency with my 80M 3rd harmonic.
> Exit one TX and enter another with a tuned oscillator plus now a
> buffer/multiplier; that was a 6AG7, 6V6, 6L6 and made a lot of 80, 40 and
> 15M QSO's.
>
> These days Id also suggest running the 6L6 in not so deep a Class C or
> maybe
> even B if you dont mind the lower output. A lot less clicks and harmonics
> however.
>
> Carl
> KM1H
>
>
>

731. Re: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-14 00:55:38 UTC
From: N2EY@aol.com
Topic: 710 Message: 731

In a message dated 9/13/2010 5:21:17 P.M. Eastern Daylight Time,
kgordon2006@... writes:

What Lee said....
What Lee and Ken said - double!

On 13 Sep 2010 at 15:49, LEE BAHR wrote:

> Yes, but many of you are missing the point. The pi not only matches
> the tube impedence to the antenna impedence, but it also is used to
> stop harmonics.

This is quite critical in today's world.
Yes, and for an important reason.

> Jim's point was to do this you need a nice Q like 15.
> For this to happen, the C goes way up compared to what many old
> designs used in ther transmitters. By putting in a modern designed pi
> network you can't use 100 pf capacitors for C1 nor 100 pf caps for C2
> for 80 or even 40 meters. The requirement is much higher then this
> value if you want a pi net that will do a good job filtering out
> harmonics and match present day FCC standards. (You can resonate a
> circuit with high L and low C or visa versa. However, that doesn't
> mean the harmonic rejection stays the same nor does the efficiency
> when you do this).

Yes. Why do you guys think that Philmore made such a big deal out the
wave-trap?

Answer: because their Pi-net design was not capable of PROPERLY filtering
out the harmonics. The "C" was too low and the "L" was too high and the
"Q"
was MUCH too low.
Exactly. They probably learned it the hard way, too.

So, yes, what Lee said...and Jim too...

Probably at the time that the Philmore NT-200 was designed, 365 pfd BC
variables were not so easily available, especially multi-gang ones.
I doubt that. The rig was designed in the very early 1950s, and BC
variables were everywhere, and cheap.

My 1953 RESCO catalog lists BC variables of several kinds. But they cost a
bit more than miniature 100 uuf ones.

I think there were a couple of reasons for the original NT-200 design:

- Cost (in a rig that sells for the NT-200's price, every nickel counts!)
- 11 meters (a BC cap would have so much stray capacitance that there would be almost no coil on 11)
- Ignorance (pi-nets were very new to ham radio transmitter design in 1951/2, and the designers may not have fully appreciated the need for more Q)
- Ability to feed high-Z antennas (end-fed half-wave wire)

Today, however, we face a very different situation. If anything, BC caps are cheaper and easier to find than the kind of variables originally used!

(sound of soapbox being scraped along floor, size 12s stomping onto it)

But IMHO the biggest reason (besides meeting the letter of the law) is a matter of protecting our reputation.

I have encountered more than a few hams who consider anything more than 10 or 20 years old to be "junk", and incapable of putting a decent signal on the air. While *we* know that's not true, every time a glowbugger puts a substandard signal on the air, somebody considers it to be proof.

Others consider the use of older technology to be bad for our image, saying it makes us look behind-the-times. I've been called some pretty nasty names in other forums for using and promoting hollow-state.

It's one thing to have a little chirp, or a T8 note, or a little FM with the AM. It's a completely different thing to be blasting harmonics all over the place, whether they be in-band or not.

There have been formal proposals before FCC proposing "no homebrew" license classes. Some folks would love it if we had to get formal certification of some kind for all our rigs, regardless of age.

Let's not give our critics and opponents any help in getting our rigs booted off the air, or having the regs changed so that it takes a lab full of test gear to certify a slat-board rig for use on the ham bands.

I know it's possible to get clean signals from simple tube rigs, because I've done it for 43+ years. The only times I ever had a problem were due to operator error, not rig design.

73 de Jim, N2EY

732. Re: [glowbugradio] Pi-Net Design for the NT-200

Yahoo group: glowbugradio
Date: 2010-09-14 01:05:02 UTC
From: LEE BAHR
Topic: 710 Message: 732

There were plenty of broadcast variables available back then both dual and single. My EAGLE which was a Burstein-Applebee clone of the Phimore NT-200, had two dual 365 pf variables in it. It was sold at the same time as the Philmore. Everything B-A had in it was surplus. Not so with the Philmore. I think, as mentioned below, BC variables were more costly to use in an inexpensive set and the smaller caps also meant tuning would not be as critical with smaller caps. (Extra turns of wire cost less then bigger caps).

Lee, w0vt

Probably at the time that the Philmore NT-200 was designed, 365 pfd BC
variables were not so easily available, especially multi-gang ones.
I doubt that. The rig was designed in the very early 1950s, and BC variables were everywhere, and cheap.

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- Ability to feed high-Z antennas (end-fed half-wave wire)

733. Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-14 02:32:31 UTC
From: LEE BAHR
Topic: 648 Message: 733

I had mentioned earlier, Crystal Radio Supply, http://www.crystalradiosupply.com/index1.html , is a great place to buy dual and single broadcast variables. These are all new manufacture and nicely made by Oren Elliott Mfg. I use the N50 and S-2 units . The S-2 units are huskier then many you find out there, new today.

If you go to their web site and then go to "DIAL POINTERS", you will see an area on the top of the page called "Click Here for Print Free Dial Scales". If you do this, you can then adjust the size of the dial scale desired, (change %), and then, once done, print out the dial scale. (0-100). You can either print out a water soluable decal or print to clear "overhead" projector mylar or even regular paper to then be applied to your project. The dial scale is perfect for your NT-200 project.

Lee, w0vt

734. Dave Schmarder Radio page

Yahoo group: glowbugradio
Date: 2010-09-14 02:56:41 UTC
From: LEE BAHR
Topic: 648 Message: 734

http://www.makearadio.com/

The above URL is for Dave Schmarder's RADIO web site. Dave is a bachlor and as far as I am concerned is the keystone and master when it comes to crystal sets. If you doubt this go to his web site and click on "Crystal Radios." (We are talking serious crystal sets here). Dave also makes tube amps and tube radios. He also sells his Litz wire and famous Contra coils among other parts. Dave lives eats and breaths this stuff.

All his projects show his circuits used. He has a very interesting and usable site. Some of you may be interested. You could spend days looking at all his information on this web site unlike reading a modern QST!

Lee, w0vt

735. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-09-14 14:22:08 UTC
From: Carl
Topic: 648 Message: 735

RadioKit also has a large selection of variable caps

Carl
KM1H

.----- Original Message -----
From: LEE BAHR
To: glowbugradio@yahoogroups.com
Sent: Monday, September 13, 2010 10:32 PM
Subject: [glowbugradio] Philmore NT-200

I had mentioned earlier, Crystal Radio Supply,
http://www.crystalradiosupply.com/index1.html , is a great place to buy
dual and single broadcast variables. These are all new manufacture and
nicely made by Oren Elliott Mfg. I use the N50 and S-2 units . The S-2
units are huskier then many you find out there, new today.

If you go to their web site and then go to "DIAL POINTERS", you will see an
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If you do this, you can then adjust the size of the dial scale desired,
(change %), and then, once done, print out the dial scale. (0-100). You
can either print out a water soluable decal or print to clear "overhead"
projector mylar or even regular paper to then be applied to your project.
The dial scale is perfect for your NT-200 project.

Lee, w0vt

736. Looking for a PP-445FRR jpower supply

Yahoo group: glowbugradio
Date: 2010-09-17 14:31:12 UTC
From: WØQFC
Topic: 736 Message: 736

Still trying to locate the supply for my RBS-3 receiver.

I will consider almost any condition as long as it is complete.

Any one have one or know where I might locate same????

Tks es 73
Gene, WØQFC
Spring Hill FL
Lafayette Lodge #91 A.F. & A.M.

737. Hustler coils

Yahoo group: glowbugradio
Date: 2010-09-22 21:45:45 UTC
From: Kenneth G. Gordon
Topic: 737 Message: 737

Does anyone here happen to have some spare Hustler moblie antenna coils? I am specifically looking for those for 160, 40, and 15 meters.

I know they made high and low power versions, but I am not all that particular.

Ken Gordon W7EKB

738. Hustler coils

Yahoo group: glowbugradio
Date: 2010-09-27 23:05:50 UTC
From: Bill Cotter
Topic: 737 Message: 738

Hi Ken,

I happen to have a Hustler fold-over mast and the following coils:
RM-40, RM-20, and a RM-17. I am interested in selling as a package
for $50 plus shipping.

73 es tnx Bill N4LG

At 05:45 PM 9/22/2010, you wrote:
>
>
>Does anyone here happen to have some spare Hustler moblie
>antenna coils? I am specifically looking for those for 160, 40, and
>15 meters.
>
>I know they made high and low power versions, but I am not all
>that particular.
>
>Ken Gordon W7EKB

739. Philmore NT-200 Clone

Yahoo group: glowbugradio
Date: 2010-09-30 07:01:35 UTC
From: LEE BAHR
Topic: 648 Message: 739

I need some advice. I am just starting to build up my Philmore NT-200 clone and am making some modifications to it. The original used two 2.5mH pi-chokes in the transmitter. One in the untuned oscillator plate circuit and one in the amplifier plate circuit. I plan to use chokes at these places too plus put another one in the key line and one more at the antenna RF output to ground. I know 2.5 mH chokes will work at all these places for the basic radio. However, I am going to wind an output coil for 160 and make appropriate changes to C1 and C2 to accomplish this addition so the rig will work on 160 meters along with 80, 40, and 30 meters. (I've got that part worked out).

If I use the rig on 160, will the 3 pi 2.5mH chokes be adequate or do I need to use larger 5 mH 3 pi chokes? I am not sure the 2.5 mH chokes will have enough inductance for 160 meters. (I realize I have to consider the self resonance of any choke within the circuit. I am hopeful either 3 pi chokes in my possession will be OK, but only time will tell. I'll tackle the self resonance problem later if it becomes a factor). Right now, I am wondering about the size to be adequate. I was thinking of watching the output power as I placed a 2.5 mh 3 pi choke across the antenna output jack to see if this choke would drop my output power while operating on 160 meters. That would tell me if it was large enough or not. Of course, this would not be a very scientific approach to finding my answer. Experts, please tell me, what size I need if I want the transmitter to work on 160 meters besides the other bands. Are 2.5mH chokes OK or do I need to install the larger 5 mH ones?

I'll be grateful for any input.

Thanks,

Lee, w0vt

740. Re: [glowbugradio] Philmore NT-200 Clone

Yahoo group: glowbugradio
Date: 2010-09-30 13:33:50 UTC
From: Carl
Topic: 648 Message: 740

Considering that many commercial amps use only 220uH (or less) plate chokes to get down to 160 Id say that 2.5mH is overkill. That was 50's thinking which has since gone away as engineers better understood the pi-net and series resonances. Heath used only 50uH to get down to 80M in the SB series amps and had no efficiency or tuning problems.

In a pi network if the choke inductance is low it can be designed as part of the circuit. All that is really needed is a very low rectance bypass cap at the cold end; electrolytics do not like RF.

A 10W amplifier stage is no different than a 1500W one, they both follow the same design equations.

Carl
KM1H

------ Original Message -----
From: LEE BAHR
To: glowbugradio@yahoogroups.com
Sent: Thursday, September 30, 2010 3:01 AM
Subject: [glowbugradio] Philmore NT-200 Clone

I need some advice. I am just starting to build up my Philmore NT-200 clone and am making some modifications to it. The original used two 2.5mH pi-chokes in the transmitter. One in the untuned oscillator plate circuit and one in the amplifier plate circuit. I plan to use chokes at these places too plus put another one in the key line and one more at the antenna RF output to ground. I know 2.5 mH chokes will work at all these places for the basic radio. However, I am going to wind an output coil for 160 and make appropriate changes to C1 and C2 to accomplish this addition so the rig will work on 160 meters along with 80, 40, and 30 meters. (I've got that part worked out).

If I use the rig on 160, will the 3 pi 2.5mH chokes be adequate or do I need to use larger 5 mH 3 pi chokes? I am not sure the 2.5 mH chokes will have enough inductance for 160 meters. (I realize I have to consider the self resonance of any choke within the circuit. I am hopeful either 3 pi chokes in my possession will be OK, but only time will tell. I'll tackle the self resonance problem later if it becomes a factor). Right now, I am wondering about the size to be adequate. I was thinking of watching the output power as I placed a 2.5 mh 3 pi choke across the antenna output jack to see if this choke would drop my output power while operating on 160 meters. That would tell me if it was large enough or not. Of course, this would not be a very scientific approach to finding my answer. Experts, please tell me, what size I need if I want the transmitter to work on 160 meters besides the other bands. Are 2.5mH chokes OK or do I need to install the larger 5 mH

ones?

I'll be grateful for any input.

Thanks,

Lee, w0vt

741. Re: [glowbugradio] Philmore NT-200 Clone

Yahoo group: glowbugradio
Date: 2010-09-30 18:17:39 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 741

On 30 Sep 2010 at 2:01, LEE BAHR wrote:

> I need some advice.

Gee, Lee, don't we all!? :-)

> I am just starting to build up my Philmore NT-200 clone and am making
> some modifications to it. The original used two 2.5mH pi-chokes in the transmitter. One in the
> untuned oscillator plate circuit

You have to be somewhat careful of this one: in many circuits I have seen, this choke, in conjunction with other circuit capacitances, is broadly (VERY) resonant over the operating range. In one instance in which I was involved, using a MODERN 2.5 mH choke, which was wound on a ferrite core, the oscillator output was VERY low. We augmented that choke with a tuned circuit, and that fixed the problem.

> and one in the amplifier plate circuit. I plan to use chokes at these
> places too plus put another one in the key line

Hmmmm....I will have to look at the schematic again, but in SOME such circuits, the cathode is also the RF ground, and adding an RF choke here can cause severe instability problems. You might wish to re-think this additional choke.

> and one more at the antenna RF output to ground.

The main purpose for this choke is to prevent high B+ voltages from appearing on the antenna if the plate blocking cap should short, although there are other reasons for it. Nonetheless, it is a good idea to do it.

> I know 2.5 mH chokes will work at all these places for the basic radio. However, I am going to
> wind an output coil for 160 and make appropriate changes toC1 and C2 to accomplish this
> addition so the rig will work on 160 meters along with 80, 40, and 30 meters. (I've got that part
> worked out).
>
> If I use the rig on 160, will the 3 pi 2.5mH chokes be adequate or do I need to use larger 5 mH 3 pi
> chokes?

That is easy enough to calculate: calculate what the impedance of
a 2.5 mH inductor at, say, 1.8 MHz might be. There are
appropriate formulae in any good handbook.

If you want to be "lazy" about it, go here:

http://www.qsl.net/pa2ohh/jslcimp.htm

This shows that at 1.8 Mhz (1800 Khz) the impedance of a 2.5
mH inductor is around 29Kohm, say 30 K to make it a bit easier to
calculate. What this amounts to is a 30K resistor between your
source of RF and where ever you don't want it to go.

IMHO, this would be good enough.

> I am not sure the 2.5 mH chokes will have enough inductance
for 160 meters. (I realize
> I have to consider the self resonance of any choke within the circuit. I am hopeful
either 3 pi
> chokesin my possession will be OK, but only time will tell. I'll tackle the self
resonance problem
> later if it becomes a factor). Right now, I am wondering about the size to be adequate. I
was
> thinking of watching the output power as I placed a 2.5 mh 3 pi choke across the antenna
output
> jack to see if this choke would drop my output power while operating on 160 meters.That
would
> tell me if it was large enough or not.

That would certainly be a good "empirical" way to do it.

> Of course, this would not be a very scientific approach to
> finding my answer.

No, but it most certainly is a good EMPIRICAL way to do it!

> Experts, please tell me, what size I need if I want the transmitter
to work on
> 160 meters besides the other bands. Are 2.5mH chokes OK or do I need to install the
larger 5
> mH ones?

Although I am certainly no expert, yet from my past experience, I
think it would be enough. In most circuits, 10K impedance is
usually enough, all other things being equal (which they seldom
are).

If you wanted to use a 5 mH choke (2 ea 2.5s in series) your
impedance at 1.8 Mhz would be doubled to around 57K.

We might ask Jim Miccolis N2EY about this as he is pretty good
(!) at such calculations. :-)

BTW, an excellent EMPIRICAL way to check any choke's self-resonant frequency is to short the ends together and check for resonances with a good grid-dip meter. You DO have a good grid-dip meter, don't you? ;-)

Ken W7EKB

742. Re: [glowbugradio] Philmore NT-200 Clone

Yahoo group: glowbugradio
Date: 2010-09-30 21:19:36 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 742

On 30 Sep 2010 at 9:33, Carl wrote:

> pi-net and series resonances. Heath used only 50uH to get down to 80M
> in the SB series amps and had no efficiency or tuning problems.

True, although there IS a bit more output on 80 by making that choke a bit larger.

I discovered this when I modified one of my SB-200s for 160: I had to increase the value of that choke, and the choke-bypass capacitor...among other things.

When I installed a Millen 7 mH choke I had here, and tested it on 80, output was noticeably higher. 750 watts with 80 watts of drive.

> In a pi network if the choke inductance is low it can be designed as
> part of the circuit. All that is really needed is a very low rectance
> bypass cap at the cold end; electrolytics do not like RF.

Exactly! In the SB-200, this capacitor is just a bit too small even at 80 meters.

> A 10W amplifier stage is no different than a 1500W one, they both
> follow the same design equations.

Again, yup.

And I am a very firm believer in the KISS principle: no unnecessary components, for one thing.

Ken

743. RE: [glowbugradio] Philmore NT-200 Clone

Yahoo group: glowbugradio
Date: 2010-09-30 21:26:06 UTC
From: D C *Mac* Macdonald
Topic: 648 Message: 743

As an owner of both an SB-200 and HA-14
Heathkit amps, what readily available
RFCs and cold end bypass caps do you
recommend to get more oomph from the amps?

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~ 73 - Mac, K2GKK/5 ~
~ (Since 30 Nov 53) ~
~ Oklahoma City, OK ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

* "An unarmed man can but flee *
* from evil. Evil can NEVER be *
* overcome by flight FROM it." *

> To: glowbugradio@yahoogroups.com
> From: kgordon2006@...
> Date: Thu, 30 Sep 2010 14:19:36 -0700
> Subject: Re: [glowbugradio] Philmore NT-200 Clone
>
>
>
> On 30 Sep 2010 at 9:33, Carl wrote:
>
> > pi-net and series resonances. Heath used only 50uH to get down to 80M
> > in the SB series amps and had no efficiency or tuning problems.
>
> True, although there IS a bit more output on 80 by making that choke a bit
> larger.
>
> I discovered this when I modified one of my SB-200s for 160: I had to
> increase the value of that choke, and the choke-bypass capacitor...among
> other things.
>
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> was noticeably higher. 750 watts with 80 watts of drive.
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> > part of the circuit. All that is really needed is a very low rectance
> > bypass cap at the cold end; electrolytics do not like RF.
>
> Exactly! In the SB-200, this capacitor is just a bit too small even at 80
> meters.
>
> > A 10W amplifier stage is no different than a 1500W one, they both

> > follow the same design equations.
>
> Again, yup.
>
> And I am a very firm believer in the KISS principle: no unnecessary
> components, for one thing.
>
> Ken
>
>

744. Re: [glowbugradio] Philmore NT-200 Clone

Yahoo group: glowbugradio
Date: 2010-09-30 21:54:40 UTC
From: Kenneth G. Gordon
Topic: 648 Message: 744

On 30 Sep 2010 at 16:26, D C *Mac* Macdonald wrote:

> As an owner of both an SB-200 and HA-14
> Heathkit amps, what readily available
> RFCs and cold end bypass caps do you
> recommend to get more oomph from the amps?

Before I can answer that, I would like to know how much power output, at what drive power input, you are getting and on what bands?

And

Are your finals up to par?

With good finals, you should be getting a minimum of 650 watts output on 80, and a bit less as you go up.

The changes I made to my SB-200 were mainly so I could get 160 meter output from it after I modified the plate tank circuit and input circuitry.

The only band on which what I did made any significant difference in output power was on 80. It did not effect any other band, although necessary drive-level was reduced.

Even on 80, it only added about 50 watts at most.

There are a number of other things you can do to improve the efficiency of the SB-200, but there are so many of them, and they are somewhat "arcane", that I would never attempt to list them all here.

You will find this site:

http://www.xs4all.nl/~pa0fri/Lineairs/SB200/sb200eng.htm

to be about the best and most helpful of those I found out there.

Many of the OTHER sites dealing with the SB-200 have significant flaws in they way the authors understand the circuit, especially in the grid circuit. The above site does not appear to have those flaws.

Also, Carl KM1H here has had very extensive experience with the SB-200 and there isn't anything he doesn't know about them. You might want to ask him. He is the expert on these. Not I.

Ken Gordon W7EKB

745. Re: [glowbugradio] Philmore NT-200 Clone

Yahoo group: glowbugradio
Date: 2010-09-30 23:36:42 UTC
From: Carl
Topic: 648 Message: 745

You are space limited in both amps and high value chokes usually burn up on one of the upper bands; several have multiple resonances. A 1-2mH piewound will be OK if you stick to 80/40 but Id GDO it first.

About the only other thing to do for all bands is homebrew and use a GDO with the choke in place or figure a way to get an Ameritron or B&W 802 squeezed in.

A .0047 or .01 3KV discap for the bypass are cheap at Mouser, the stock one is only 1000pf @ 3kV. The big problem with the 200 is that even with the 100pf fixed cap switched in its often not enough for down at 3.5 for either variable when reactive loads are encountered. And you only have 1300pf total (800 variable, 500 fixed) for the Load, thats cutting it too close.

I wont even comment on the HA-14 (-;

Carl
KM1H

----- Original Message -----
From: "D C *Mac* Macdonald" <k2gkk@...>
To: "Glowbug Radio" <glowbugradio@yahoogroups.com>
Sent: Thursday, September 30, 2010 5:26 PM
Subject: RE: [glowbugradio] Philmore NT-200 Clone

> As an owner of both an SB-200 and HA-14
> Heathkit amps, what readily available
> RFCs and cold end bypass caps do you
> recommend to get more oomph from the amps?
>
> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
> ~ 73 - Mac, K2GKK/5 ~
> ~ (Since 30 Nov 53) ~
> ~ Oklahoma City, OK ~
> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
>
>
> * "An unarmed man can but flee *
> * from evil. Evil can NEVER be *
> * overcome by flight FROM it." *
>
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>
> _____
>> To: glowbugradio@yahoogroups.com
>> From: kgordon2006@...
>> Date: Thu, 30 Sep 2010 14:19:36 -0700
>> Subject: Re: [glowbugradio] Philmore NT-200 Clone
>>
>>
>>
>> On 30 Sep 2010 at 9:33, Carl wrote:
>>
>> > pi-net and series resonances. Heath used only 50uH to get down to 80M
>> > in the SB series amps and had no efficiency or tuning problems.
>>
>> True, although there IS a bit more output on 80 by making that choke a
>> bit
>> larger.
>>
>> I discovered this when I modified one of my SB-200s for 160: I had to
>> increase the value of that choke, and the choke-bypass capacitor...among
>> other things.
>>
>> When I installed a Millen 7 mH choke I had here, and tested it on 80,
>> output
>> was noticeably higher. 750 watts with 80 watts of drive.
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>> > In a pi network if the choke inductance is low it can be designed as
>> > part of the circuit. All that is really needed is a very low rectance
>> > bypass cap at the cold end; electrolytics do not like RF.
>>
>> Exactly! In the SB-200, this capacitor is just a bit too small even at 80
>> meters.
>>
>> > A 10W amplifier stage is no different than a 1500W one, they both
>> > follow the same design equations.
>>
>> Again, yup.
>>
>> And I am a very firm believer in the KISS principle: no unnecessary
>> components, for one thing.
>>
>> Ken
>>
>>
>
> ------------------------------------
>

> Yahoo! Groups Links
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>
>

746. New Spy Book

Yahoo group: glowbugradio
Date: 2010-09-23 23:27:07 UTC
From: LEE BAHR
Topic: 678 Message: 746

Did you get the spy book? If so, is it any good? If so, maybe I should find one.

Lee, w0vt

747. Re: [glowbugradio] New Spy Book

Yahoo group: glowbugradio
Date: 2010-10-01 01:20:53 UTC
From: Charlie , W5COV
Topic: 678 Message: 747

I just finished reading my copy today . It is around 600 pages .

If you are interested in the cryptology part that England played in WWII , it is as thorough of a book as you will ever find , that is not classified .

Various references are made to the WT equipment that the agents were using when dropped to their respective assignments .

There is very little actual information on any of the equipment being used .

It does have a couple of pages of pictures in the middle of the book and does appear to be one , maybe two pictures of the Paraset .(not high quality pictures)

It was an interesting read , but had little to do with the nuts and bolts of any radio related equipment .

Charlie , W5COV

748. Re: [glowbugradio] New Spy Book

Yahoo group: glowbugradio
Date: 2010-10-01 01:28:38 UTC
From: tvamfm@aol.com
Topic: 678 Message: 748

What is the name of this book and who is the author?

Thanks and 73,

John, W4AWM

749. Re: [glowbugradio] Philmore NT-200 Clone

Yahoo group: glowbugradio
Date: 2010-10-01 01:55:58 UTC
From: N2EY@aol.com
Topic: 648 Message: 749

In a message dated 9/30/2010 3:03:43 A.M. Eastern Daylight Time,
pulsarxp@... writes:

If I use the rig on 160, will the 3 pi 2.5mH chokes be adequate or do I
need to use larger 5 mH 3 pi chokes?

I think the 2.5 mH chokes will be fine on 160.

The only way to know for sure is to try.

73 de Jim, N2EY

750. Re: [glowbugradio] New Spy Book

Yahoo group: glowbugradio
Date: 2010-10-01 01:56:54 UTC
From: LEE BAHR
Topic: 678 Message: 750

Charlie, W5COV told me about the book. It is: BETWEEN SILK AND CYANIDE by Leo Marks. I think it's out of print but readably available at places like Abe's books.

Lee, w0vt

----- Original Message -----
From: Charlie , W5COV
To: glowbugradio@yahoogroups.com
Sent: Thursday, September 30, 2010 8:20 PM
Subject: Re: [glowbugradio] New Spy Book

I just finished reading my copy today . It is around 600 pages .

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Various references are made to the WT equipment that the agents were using when dropped to their respective assignments .

There is very little actual information on any of the equipment being used .

It does have a couple of pages of pictures in the middle of the book and does appear to be one , maybe two pictures of the Paraset .(not high quality pictures)

It was an interesting read , but had little to do with the nuts and bolts of any radio related equipment .

Charlie , W5COV

751. Re: [glowbugradio] New Spy Book

Yahoo group: glowbugradio
Date: 2010-10-01 02:36:57 UTC
From: tvamfm@aol.com
Topic: 678 Message: 751

Thanks Lee.

Have a great weekend,

John

752. Re: [glowbugradio] Digest Number 204

Yahoo group: glowbugradio
Date: 2010-10-01 14:22:55 UTC
From: W4RON@carolina.rr.com
Topic: 752 Message: 752

2d. Re: New Spy Book
Posted by: "LEE BAHR" pulsarxp@... pulsarair
Date: Thu Sep 30, 2010 6:56 pm ((PDT))

Charlie, W5COV told me about the book. It is: BETWEEN SILK AND CYANIDE by Leo Marks. I think it's out of print but readably available at places like Abe's books.

Lee, w0vt
~~~~~~

The subject line says "New Spy Book"
but you say it's out of print...
What's new about it??????????

-
73, RON w4ron
http://radioheaven.homestead.com/menu.html
http://cloughbrengle.homestead.com/
~~~~~~

753. Re: [glowbugradio] Digest Number 204

Yahoo group: glowbugradio
Date: 2010-10-01 15:53:21 UTC
From: Charlie , W5COV
Topic: 752 Message: 753

Nothing actually new about it Ron , except we were just recently given the name of it and Lee and I are Paraset fans and builders .

Charlie , W5COV

754. Hustler - Bill Cotter - lost e-mail.

Yahoo group: glowbugradio
Date: 2010-10-03 01:43:26 UTC
From: Kenneth G. Gordon
Topic: 754 Message: 754

Bill Cotter e-mailed me about this, but I have lost his e-mails.

Bill, could you please resend what you sent earlier?

Ken Gordon W7EKB

755. Philmore NT-200 Clone (DELUXE)

Yahoo group: glowbugradio
Date: 2010-10-04 21:33:49 UTC
From: LEE BAHR
Topic: 678 Message: 755

I just punched out the chassis for my Philmore NT-200 clone. (Raw chassis from Byers Chassis and Kits made to order).

Looks great. Since I have made some improvements and it is not an exact reproduction, I think I'll Hammertone paint the chassis. (The original was raw aluminum).

Lee, w0vt

756. Re: [glowbugradio] Philmore NT-200 Clone (DELUXE)

Yahoo group: glowbugradio
Date: 2010-10-04 22:37:38 UTC
From: Charlie , W5COV
Topic: 678 Message: 756

Lee, The chassis does indeed look good . A couple of comments and questions .

The extra lip on the bottom edge is a nice improvement .

Did you use a square punch , or did you nibble or cut your rectangle holes some other way . All I have these days is a full set of round punches and a couple of nibblers . I may just use a round power plug on mine .

I dislike Doug more than I do Rex , just because I have seen Doug in action in person . Neither one of them are much of an asset to ham radio , especially to the kit builders and the new guys that have a desire to learn to build things .

Well my lowfer antenna is still down too . I will get it back up one day this week . I have plenty of help this week to get my winter antenna work done .

Two of the guys that I mailed lowfer beacons to , should be on the air within the week . Andy in MN is testing his on the antenna right now and making a few adjustments to his antenna . Andy in MO , is working on his loading coil this week and almost ready for on the air testing .

Keith said he was going to order his ID chip , but he hasn't mentioned the antenna and loading coil yet .

Looks right now at least like we might have a really good lowfer season . Bill's beacon is being copied every night on the East coast already . There was a CT report for it last night.

Charlie , W5COV

757. Re: [glowbugradio] Philmore NT-200 Clone (DELUXE)

Yahoo group: glowbugradio
Date: 2010-10-04 22:50:06 UTC
From: LEE BAHR
Topic: 678 Message: 757

Charlie;

i have a complete set of round Greenlee punches. What I did for the rectangular Jones plug hole is drill a couple pilot holes and the use a saber saw to cut the rectangle. I used a file to "clean up" the hole. I just sprayed it with zinc chromate primer. Plan to Hammertone Gray the thing in a couple days after the zinc chromate sets up. The aluminum looked ok but there were scratch marks in the aluminum from chassis manufacture.

Lee

758. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-10-09 08:45:46 UTC
From: LEE BAHR
Topic: 648 Message: 758

Well, my Philmore NT-200 improved clone is coming along. I punched all the holes, primed the Byer's chassis with zinc chromate and then painted it Hammertone Gray. Tonight, I mounted all the tube sockets, coil socket, power jack, coax connector (SO-239), tuning lamp (#44), C1 and C2 variable capacitors (dual 400 pf), key jack, and chassis grounding lug. I plugged in a 6AG7, 6L6 and the coil form plus a crystal to see how it looks. It looks great! I'll start to wire it soon and at the same time develope my skills in designing slide on water transfer decals for the project.

I plan to have the transmitter operational on 160, 80, 40 and 30 meters. I have not started the build for the companion 5Y3 power supply on it's matching chassis. To "beef up" the variables for some bands I'll be adding a jumper to increase values with fixed caps or adding the second section of the variable cap.

If anyone wants to see the transmitter as it now looks, drop me a line and I'll send you 4 pictures I took of it this evening.

Lee, w0vt
pulsarxp@...

759. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-10-09 14:27:20 UTC
From: Garey Barrell
Topic: 648 Message: 759

Lee -

Sounds like a fun project! I'd love to see your pix!

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-B, C-Line&
TR-4/C Service Supplement CDs
<www.k4oah.com>

LEE BAHR wrote:
>
>
> Well, my Philmore NT-200 improved clone is coming along. I punched
> all the holes, primed the Byer's chassis with zinc chromate and then
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> grounding lug. I plugged in a 6AG7, 6L6 and the coil form plus a
> crystal to see how it looks. It looks great! I'll start to wire it
> soon and at the same time develope my skills in designing slide on
> water transfer decals for the project.
> I plan to have the transmitter operational on 160, 80, 40 and 30
> meters. I have not started the build for the companion 5Y3 power
> supply on it's matching chassis. To "beef up" the variables for some
> bands I'll be adding a jumper to increase values with fixed caps or
> adding the second section of the variable cap.
> If anyone wants to see the transmitter as it now looks, drop me a line
> and I'll send you 4 pictures I took of it this evening.
> Lee, w0vt
> pulsarxp@... <mailto:pulsarxp@...>
>
>
>

760. Re: [glowbugradio] Philmore NT-200

Yahoo group: glowbugradio
Date: 2010-10-09 14:37:42 UTC
From: N2EY@aol.com
Topic: 648 Message: 760

In a message dated 10/9/2010 10:27:31 A.M. Eastern Daylight Time,
k4oah@... writes:

I'd love to see your pix!

Me too!

73 de Jim, N2EY

761. Philmore NT-200 Deluxe Clone

Yahoo group: glowbugradio
Date: 2010-10-16 08:24:02 UTC
From: LEE BAHR
Topic: 761 Message: 761

Well, I'm making slow progress on the Philmore NT-200 Deluxe clone. Right now all the chassis parts are mounted but the transmitter is not wired. I'm concentrating on the water slide on decal lettering right now. I was so impressed with the decals I got with my Ft Tuthill 80 kit. I decided I wanted to use these type decals on the Philmore project. The Philmore was sold with an unpainted chassis but this is the Deluxe model, so paint was in order. Same with the lettering. No lettering was on the original. After getting educated on graphic design and buying a program beyond my capabilities I sweet talked my daughter into making the water slide on decals for me. She is a graphics Designer. She worked on the project for 1/2 hour and already has much of the design done for me. Even the Philmore logo looks original with their script design. I think I'll have this decal made in either the color orange or in red. The rest will be done in black. She is also designing the 180 degree dials for me, behind the "chicken head" knobs. The decals are really going to look great and dress up the project. (She has a color laser jet printer in which to print out the decals). I justy need to get her the decal transfer paper as she lives in Florida and I live in Texas.

We recently had a discussion on here regarding the pi-network. I decided on a Q of 12 and through jumpers and added fixed capacitors this will all be possible for 160, 80, 40 and 30 meters coupled with the two dual 400 pf variable capacitors.
When working out the coils on my 1 1/2 inch Peebles Originals coil forms, I was very suprised to see how few turns of wire would be needed for this configuration. (On 160 meters I only need 29 turns of nbr 14 wire). I picked size 14 as the coil length is so small with so few turns. (On 30 meters I only need 9 turns of nbr 14). I realize number 14 wire is a little crazy for a 30 watt rig but the larger wire does fill up more of my 2 1/2 inch coil forms. At this point, I am not sure I will really use nbr 14 wire or use something more traditional like maybe nbr 16 or nbr 18 wire. If I use the smaller wire, the turns count will go down even further. I'll have to decide all this at some point.

Kind of had a small set back with the "chicken head" knobs. I ordered some from AES but they have no set screw. I can't figure out how they could be used as they are not D shaped but round, yet no set screw. I'll be ordering some more from Mouser as theirs do have set screws. In the meantime, I have a couple beat-up old ones lying around here I can use until some new ones show up at my laboritory. So that is where I am with all this at the moment. Chassis is painted and the chassis parts are all mounted with decals in progress. This project, when finished, is going to look really nice. Once finished, I'll build up a power supply to match and then a plate modulator for it too.

As a side note and not related to the above, I am looking for a Heathkit SB-220 amplifier to refurbish and update with Harbach mods and updates for my local ham club in Coldspring, Tx., W5DRC. If anyone has one which would be a good candidate for renewal, I'd appreciate hearing from you. I'm the Trustee and agreed to find one and restore and update it for the club to use in the Command Center. If you have a candidate, please give details so we can make a wise decision for our club.

It's late, better go to bed. Everyone have a great weekend.

73,

Lee, w0vt

762. Re: [glowbugradio] Philmore NT-200 Deluxe Clone

Yahoo group: glowbugradio
Date: 2010-10-16 08:47:49 UTC
From: LEE BAHR
Topic: 761 Message: 762

One more thing regarding the Philmore project.

I am using a 6 pin Molex/Jones plug/jack on the back of the transmitter. THREE of the pins will have a seperate ground wires coming from the remote power supply on a chassis next to the transmitter. (Three ground wires on three different pins).

My good friend, neighbor and builder, WA5VGO told me to do this. He will never forget the time he built up a large transmitter with a seperate power supply on a seperate chassis and cabinet. He used ONE ground wire between the transmitter and power supply. Then the ground wire failed. When he touched both the transmitter and the power supply at the same time, he was the conductor! He could have been killed. Consequently, from that day forward he has always had more then one ground wire going from one chassis to the next. The Philmore NT-200 Deluxe will have three seperate ground wires between power supply and transmitter for this reason.

73,

Lee, w0vt

763. RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-16 15:48:06 UTC
From: N2EY@aol.com
Topic: 763 Message: 763

This should be of interest to glowbug folks, both from a theoretical and practical view. Though it focuses most on RFCs for amplifiers, the concepts are the same for all sizes of choke.

_http://www.w8ji.com/rf_plate_choke.htm_
(http://www.w8ji.com/rf_plate_choke.htm)

W8JI knows his stuff.

73 de Jim, N2EY

764. Re: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-16 15:50:53 UTC
From: Jim
Topic: 763 Message: 764

Not everybody thinks so. Especially some of the folks who bought the commercial amps he designed.

N6OTQ

>
>From: "N2EY@..." <N2EY@...>
>
>
>W8JI knows his stuff.

765. Re: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-16 16:32:57 UTC
From: N2EY@aol.com
Topic: 763 Message: 765

In a message dated 10/16/2010 11:50:57 A.M. Eastern Daylight Time,
n6otq@... writes:

Not everybody thinks so. Especially some of the folks who bought the
commercial amps he designed.

N6OTQ

(cue Johnny Carson voice)

"I did not know that!"

Take the info for what it's worth.

73 de Jim, N2EY

766. Re: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-16 16:44:40 UTC
From: Carl
Topic: 763 Message: 766

----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Saturday, October 16, 2010 12:32 PM
Subject: Re: [glowbugradio] RF Choke Design Info

In a message dated 10/16/2010 11:50:57 A.M. Eastern Daylight Time,
n6otq@... writes:
Not everybody thinks so. Especially some of the folks who bought the
commercial amps he designed.

N6OTQ
(cue Johnny Carson voice)

"I did not know that!"

Take the info for what it's worth.

73 de Jim, N2EY

While a few of those amps can become IED's the plate choke is not the
culprit. The large Ameritron amp choke is also available thru RF Parts and
any amp part can be purchased from Ameritron.

Carl
KM1H

767. RE: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-16 16:57:12 UTC
From: D C *Mac* Macdonald
Topic: 763 Message: 767

Are the amps in which he was involved with the design
better that those which seemed to rely more on Bible
verses in the ads than competent electronic design?

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* * * * * * * * * * *

* "An unarmed man can but flee *
* from evil. Evil can NEVER be *
* overcome by flight FROM it." *

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Sat, 16 Oct 2010 12:44:40 -0400
Subject: Re: [glowbugradio] RF Choke Design Info

>----- Original Message -----
>From: N2EY@...
>To: glowbugradio@yahoogroups.com
>Sent: Saturday, October 16, 2010 12:32 PM
>Subject: Re: [glowbugradio] RF Choke Design Info
>
>
>
>>In a message dated 10/16/2010 11:50:57 A.M. Eastern Daylight Time,
>>n6otq@... writes:
>>
>>Not everybody thinks so. Especially some of the folks who bought the
>>commercial amps he designed.
>
>>N6OTQ
>>(cue Johnny Carson voice)
>>
>>"I did not know that!"
>
>
>Take the info for what it's worth.
>
>73 de Jim, N2EY
>
>
>
While a few of those amps can become IED's the plate choke is not

the culprit. The large Ameritron amp choke is also available thru RF Parts and any amp part can be purchased from Ameritron.

Carl
KM1H

768. Re: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-16 20:11:47 UTC
From: Carl
Topic: 763 Message: 768

Who is that?

------- Original Message -----
From: D C *Mac* Macdonald
To: Glowbug Radio
Sent: Saturday, October 16, 2010 12:57 PM
Subject: RE: [glowbugradio] RF Choke Design Info

Are the amps in which he was involved with the design
better that those which seemed to rely more on Bible
verses in the ads than competent electronic design?

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* * * * * * * * * * *

* "An unarmed man can but flee *
* from evil. Evil can NEVER be *
* overcome by flight FROM it." *

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Sat, 16 Oct 2010 12:44:40 -0400
Subject: Re: [glowbugradio] RF Choke Design Info

>----- Original Message -----
>From: N2EY@...
>To: glowbugradio@yahoogroups.com
>Sent: Saturday, October 16, 2010 12:32 PM
>Subject: Re: [glowbugradio] RF Choke Design Info
>
>
>
>>In a message dated 10/16/2010 11:50:57 A.M. Eastern Daylight Time,
>>n6otq@... writes:
>>
>>Not everybody thinks so. Especially some of the folks who bought the
>>commercial amps he designed.
>
>>N6OTQ
>>(cue Johnny Carson voice)
>>
>>"I did not know that!"
>

>
>Take the info for what it's worth.
>
>73 de Jim, N2EY
>
>
>
While a few of those amps can become IED's the plate choke is not
the culprit. The large Ameritron amp choke is also available thru
RF Parts and any amp part can be purchased from Ameritron.

Carl
KM1H

769. RE: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-16 20:14:16 UTC
From: D C *Mac* Macdonald
Topic: 763 Message: 769

The long defunct Dentron.

Mac

> To: glowbugradio@yahoogroups.com
> From: km1h@...
> Date: Sat, 16 Oct 2010 16:11:47 -0400
> Subject: Re: [glowbugradio] RF Choke Design Info
>
>
>
> Who is that?
>
> ------- Original Message -----
> From: D C *Mac* Macdonald
> To: Glowbug Radio
> Sent: Saturday, October 16, 2010 12:57 PM
> Subject: RE: [glowbugradio] RF Choke Design Info
>
> Are the amps in which he was involved with the design
> better that those which seemed to rely more on Bible
> verses in the ads than competent electronic design?
>
> * * * * * * * * * * *
> * 73 - Mac, K2GKK/5 *
> * (Since 30 Nov 53) *
> * Oklahoma City, OK *
> * * * * * * * * * * *
>
> * "An unarmed man can but flee *
> * from evil. Evil can NEVER be *
> * overcome by flight FROM it." *
>
> To: glowbugradio@yahoogroups.com
> From: km1h@...
> Date: Sat, 16 Oct 2010 12:44:40 -0400
> Subject: Re: [glowbugradio] RF Choke Design Info
>
> >----- Original Message -----
> >From: N2EY@...
> >To: glowbugradio@yahoogroups.com
> >Sent: Saturday, October 16, 2010 12:32 PM
> >Subject: Re: [glowbugradio] RF Choke Design Info
> >

> >
> >
> >>In a message dated 10/16/2010 11:50:57 A.M. Eastern Daylight Time,
> >>n6otq@... writes:
> >>
> >>Not everybody thinks so. Especially some of the folks who bought the
> >>commercial amps he designed.
> >
> >>N6OTQ
> >>(cue Johnny Carson voice)
> >>
> >>"I did not know that!"
> >
> >
> >Take the info for what it's worth.
> >
> >73 de Jim, N2EY
> >
> >
> >
> While a few of those amps can become IED's the plate choke is not
> the culprit. The large Ameritron amp choke is also available thru
> RF Parts and any amp part can be purchased from Ameritron.
>
> Carl
> KM1H
>
>
>

770. Re: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-16 23:19:24 UTC
From: Carl
Topic: 763 Message: 770

The Hallicrafters of the amp world. Funny thing is they did what they were supposed to until folks tried to get 1200-1500W out of a rig designed for 1000W Input.

Carl
KM1H

----- Original Message -----
From: "D C *Mac* Macdonald" <k2gkk@...>
To: "Glowbug Radio" <glowbugradio@yahoogroups.com>
Sent: Saturday, October 16, 2010 4:14 PM
Subject: RE: [glowbugradio] RF Choke Design Info

>
> The long defunct Dentron.
>
> Mac
>
>
>
>
> _____
>> To: glowbugradio@yahoogroups.com
>> From: km1h@...
>> Date: Sat, 16 Oct 2010 16:11:47 -0400
>> Subject: Re: [glowbugradio] RF Choke Design Info
>>
>>
>>
>> Who is that?
>>
>> ------- Original Message -----
>> From: D C *Mac* Macdonald
>> To: Glowbug Radio
>> Sent: Saturday, October 16, 2010 12:57 PM
>> Subject: RE: [glowbugradio] RF Choke Design Info
>>
>> Are the amps in which he was involved with the design
>> better that those which seemed to rely more on Bible
>> verses in the ads than competent electronic design?
>>
>> * * * * * * * * * * *
>> * 73 - Mac, K2GKK/5 *
>> * (Since 30 Nov 53) *
>> * Oklahoma City, OK *
>> * * * * * * * * * * *

>>
>> * "An unarmed man can but flee *
>> * from evil. Evil can NEVER be *
>> * overcome by flight FROM it." *
>>
>> To: glowbugradio@yahoogroups.com
>> From: km1h@...
>> Date: Sat, 16 Oct 2010 12:44:40 -0400
>> Subject: Re: [glowbugradio] RF Choke Design Info
>>
>> >----- Original Message -----
>> >From: N2EY@...
>> >To: glowbugradio@yahoogroups.com
>> >Sent: Saturday, October 16, 2010 12:32 PM
>> >Subject: Re: [glowbugradio] RF Choke Design Info
>> >
>> >
>> >
>> >>In a message dated 10/16/2010 11:50:57 A.M. Eastern Daylight Time,
>> >>n6otq@... writes:
>> >>
>> >>Not everybody thinks so. Especially some of the folks who bought the
>> >>commercial amps he designed.
>> >
>> >>N6OTQ
>> >>(cue Johnny Carson voice)
>> >>
>> >>"I did not know that!"
>> >
>> >
>> >Take the info for what it's worth.
>> >
>> >73 de Jim, N2EY
>> >
>> >
>> >
>> While a few of those amps can become IED's the plate choke is not
>> the culprit. The large Ameritron amp choke is also available thru
>> RF Parts and any amp part can be purchased from Ameritron.
>>
>> Carl
>> KM1H
>>
>>
>>
>
> ------------------------------------
>
> Yahoo! Groups Links
>

>
>

771. Re: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-17 16:31:50 UTC
From: Kenneth G. Gordon
Topic: 763 Message: 771

On 16 Oct 2010 at 19:19, Carl wrote:

> The Hallicrafters of the amp world. Funny thing is they did what they
> were supposed to until folks tried to get 1200-1500W out of a rig
> designed for 1000W Input.

Like some idiots do with the SB-200.

That is 1200 watts PEP ***INPUT***, folks for the SB-200.

Under the absolute best of conditions, with new tubes and other critical components, about 750 watts output is tops...maybe...and probably not for long.

I have two SB-200s and like them very much. They are very reliable at 600 to 650 watts output.

Ken W7EKB

772. Re: [glowbugradio] RF Choke Design Info

Yahoo group: glowbugradio
Date: 2010-10-21 00:30:49 UTC
From: N2EY@aol.com
Topic: 763 Message: 772

In a message dated 10/16/2010 11:50:57 A.M. Eastern Daylight Time,
n6otq@... writes:

Not everybody thinks so. Especially some of the folks who bought the
commercial amps he designed.

N6OTQ

(cue Johnny Carson voice)

"I did not know that!"

Take the info for what it's worth.

73 de Jim, N2EY

773. ODD RESISTORS NEEDED (10 GIG)

Yahoo group: glowbugradio
Date: 2010-10-30 02:17:30 UTC
From: Charlie , W5COV
Topic: 773 Message: 773

I know this is a long shot , but does anyone have any spare 10 GIG resistors that they are willing to part with at a decent price , or know of a source to buy them for a reasonable price ?

There are a couple on the bay , but I thought perhaps someone might have some in their junk boxes that they might not have a use for .

I only require a couple , but would take a few spares if they are available .

I prefer 10 GIG , but would consider anything from 1 to 10 .

Thanks ,

Charlie , W5COV

774. Re: [glowbugradio] ODD RESISTORS NEEDED (10 GIG)

Yahoo group: glowbugradio
Date: 2010-10-30 03:15:40 UTC
From: mac
Topic: 773 Message: 774

This guy had some <http://www3.telus.net/chemelec/Parts/HV-Res.htm>

Dennis D. W7QHO
Glendale, CA

****

On Oct 29, 2010, at 7:17 PM, Charlie , W5COV wrote:

>
> I know this is a long shot , but does anyone have any spare 10 GIG
> resistors that they are willing to part with at a decent price , or
> know of a source to buy them for a reasonable price ?
>
> There are a couple on the bay , but I thought perhaps someone might
> have some in their junk boxes that they might not have a use for .
>
> I only require a couple , but would take a few spares if they are
> available .
>
> I prefer 10 GIG , but would consider anything from 1 to 10 .
>
> Thanks ,
>
> Charlie , W5COV
>
>
>

775. LETTINE 240 COILS

Yahoo group: glowbugradio
Date: 2010-12-06 03:46:05 UTC
From: Pigman
Topic: 775 Message: 775

I just bought a LETTINE 240 Transmitter without the final tank and oscillator coils. Does anyone on here know what coils fit in the transmitter? It looks like the link on the osc coil is at the cold end and the link on the final coils are in the middle. Someone suggested maybe they are a B&W JCL type coil.

I need to find some coils but don't know what I am lloking for. The BAMA manual does not discuss the coils or show a picture of them. Any help would be appreciated.

Lee, w0vt
Houston

776. Re: [glowbugradio] LETTINE 240 COILS

Yahoo group: glowbugradio
Date: 2010-12-06 03:53:17 UTC
From: Charlie , W5COV
Topic: 775 Message: 776

Lee will this picture help ? http://www.qsl.net/la5ki/org/le/240.htm

Charlie

777. GE Ham News

Yahoo group: glowbugradio
Date: 2010-12-06 13:49:37 UTC
From: geoff8122
Topic: 777 Message: 777

Here is a link to these old gems.

Carl
KM1H

http://n4trb.com/AmateurRadio/GE_HamNews/ge_ham_news.htm

778. Re: [glowbugradio] GE Ham News

Yahoo group: glowbugradio
Date: 2010-12-06 22:26:09 UTC
From: Ken
Topic: 777 Message: 778

THANKS Carl !!

----- Original Message -----
From: geoff8122
To: glowbugradio@yahoogroups.com
Sent: Monday, December 06, 2010 8:49 AM
Subject: [glowbugradio] GE Ham News

Here is a link to these old gems.

Carl
KM1H

http://n4trb.com/AmateurRadio/GE_HamNews/ge_ham_news.htm

779. Re: [glowbugradio] GE Ham News

Yahoo group: glowbugradio
Date: 2010-12-06 23:59:43 UTC
From: Kenneth G. Gordon
Topic: 777 Message: 779

> Here is a link to these old gems.
>
> Carl
> KM1H
>
> http://n4trb.com/AmateurRadio/GE_HamNews/ge_ham_news.htm

So.....where is a similar collection of the even older RCA "HamTips"?

Vol.1 # 4., September 1938 has a particularly interesting article on a 300 watts input, 150 watt output (!) single-813 crystal oscillator transmitter.

Ken Gordon W7EKB

780. Re: [glowbugradio] GE Ham News

Yahoo group: glowbugradio
Date: 2010-12-07 15:08:27 UTC
From: John Ressue
Topic: 777 Message: 780

Thanx Carl. That is a great link! GGggggoooOOOO TUBES! Yeah! JR

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Mon, December 6, 2010 6:59:43 PM
Subject: Re: [glowbugradio] GE Ham News

> Here is a link to these old gems.
>
> Carl
> KM1H
>
> http://n4trb.com/AmateurRadio/GE_HamNews/ge_ham_news.htm

So.....where is a similar collection of the even older RCA "HamTips"?

Vol.1 # 4., September 1938 has a particularly interesting article on a 300 watts input, 150 watt output (!) single-813 crystal oscillator transmitter.

Ken Gordon W7EKB

781. WTD: Twisted pair wire or military WD-1A cable

Yahoo group: glowbugradio
Date: 2010-12-10 16:10:11 UTC
From: geoff8122
Topic: 781 Message: 781

I need several thousand feet for Beverage antennas, anything over about 500' considered. Prefer dark woodsy colors but not mandatory.

The twisted pair can be #16 to #20, insulated but not shielded if also jacketed.

The military WD-1A telephone wire should be at least 500' and on light weight spools.

Carl
KM1H

782. Re: LETTINE 240 COILS

Yahoo group: glowbugradio
Date: 2010-12-11 20:20:18 UTC
From: Pigman
Topic: 775 Message: 782

Well I was able to purchase a couple B&W JCL and JEL coils for my Lettine 240. (I will have to install or rework the coils on the present forms). (I still need more of them if anyone could help me out with them).

Is there anyone on here with a LETTINE 240 or has information about this transmitter? I specifically need coil turn information as my transmitter has no osc coils or tank coils. Apparently the transmitter used maybe B&W Junior JCL coils for the osc and JEL coils for the tank circuit. The rig used plug in coils for 160, 80, 40, 20, 10 meters. (Maybe MCL for the osc coils). (Horizonatal minidux coils mounted on their sides with links and attached to egg shaped 5 pin base sockets fitting into a 5 pin tube socket).

I know Lettine sold this transmitter for close to 10 years, but they seem pritty rare with little information on them. The manual I downloaded off of BAMA tells you nothing about the plug in coils. (Maybe the BAMA manual is not complete). The tank circuit is link coupled and the resonating variable is only 50 pf! How this will tune across the 160 meter band is a mystery. I am sure the Q will be terrible. I plan to use it with a low pass tuner to suppress the second harmonic.

It would be really great if I could find someone with one of these transmitters and who could give me a turns count for all the coils or maybe just a picture of them so I could count the turns off the photograph. I have looked and some pictures and they are all different. Did the osc coil use a center link and the plate coil and end link? Also, was the osc coil a JCL or a MCL type? I'm pritty sure the final used the Junior size JEL coils.

What is really disturbing is new B&W coil stock at 1 3/4 inches in diameter with many turns per inch, which would be used to re-coil a 80 meter and 160 meter coil base, sells for $80 for a 4 inch long piece from B&W direct! The price is insane. I think I can make my own coil stock for the high bands which have few turns per inch but close wound ones for 80 and 160 meters might be a real challange to make myself.

I guess 160 meter and 80 meter coils were more fragile then the higher band coils and consequently are harder to find today as many were squeeshed and destroyed over the years. Has anyone on here been successful making many turn per inch minidux type coils themselves? I think number 24 tinned wire was used in these coils. If I could make these coils, it would be easy to re-coil an old base for 80 and 160 meters for both the osc and final coils.

Please excuse my ramblings if this is of no interest to you.

Lee, w0vt

783. Re: [glowbugradio] Re: LETTINE 240 COILS

Yahoo group: glowbugradio
Date: 2010-12-12 18:44:43 UTC
From: Kenneth G. Gordon
Topic: 775 Message: 783

On 11 Dec 2010 at 20:20, Pigman wrote:

> Well I was able to purchase a couple B&W JCL and JEL coils for my
> Lettine 240. (I will have to install or rework the coils on the
> present forms). (I still need more of them if anyone could help me out
> with them).
>
> Is there anyone on here with a LETTINE 240 or has information about
> this transmitter?

I would be interested in seeing any information you find.

> (Maybe the BAMA manual is not complete). The tank circuit is link
> coupled and the resonating variable is only 50 pf! How this will tune
> across the 160 meter band is a mystery.

There may have been fixed capacitors in parallel with that.

> I am sure the Q will be
> terrible. I plan to use it with a low pass tuner to suppress the
> second harmonic.

Good idea in any case.

> What is really disturbing is new B&W coil stock at 1 3/4 inches in
> diameter with many turns per inch, which would be used to re-coil a 80
> meter and 160 meter coil base, sells for $80 for a 4 inch long piece
> from B&W direct! The price is insane.

Agreed. However, I see that B&W coil-stock for sale on eBay at odd times for much less. I have seen whole collections of it in various sizes for reasonable prices.

BTW, the way the those were originally made was that the wire was first formed into a close-wound coil, stretched a bit to space it, then laid between pieces of flat or round polystyrene, and then the coil itself was heated up by being connected to a low-voltage, high-current source until the hot wire sunk into the partially-melted polystyrene.

I suspect that later on B&W used some sort of chemical to do the melting.

It isn't too difficult to do, but is pretty time-consuming.

I have seen at least one article in an old QST detailing how to do it, and I think I may have seen something similar on the web somewhere.

I seem to remember seeing a dowel, perhaps grooved to hold the plastic, inserted inside the coil before applying the current to the wire to heat it.

Ken Gordon W7EKB

784. 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 07:06:28 UTC
From: Pigman
Topic: 784 Message: 784

With all my glow bug projects around here, I need to stop swaping my couple US mfg 6L6 tubes from this rig to that rig and have some spares. The price of US 6L6 tubes are crazy.

Do any of you have first hand experience with the inexpensive 6L6 tubes being offered on e-bay? (In the $4 to $15 range) Some are listed as 5881 and others 6P3S and yet others just 6L6.

I don't put any stock in the audio fool "tonal quality of the tubes". Of course if they don't cost $500 each, to them, they are worthless and sound terrible. I am concerned about failure rate and how well do they work in small MOPA transmitters in RF service as well as pp modulator tubes in AM transmitters.

Sure would be interested hearing from those that actually have tried them in these applications and hear what you think of any of them.

Thanks,

Lee, w0vt

785. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 14:54:10 UTC
From: Paul Kraemer
Topic: 784 Message: 785

I have used a couple of the 6L6 GC tubes from Antique Electronic supply
About a year ago they were on sale I think about 6 or 8 dollars each as I recall. Very reasonable
I installed them in a vintage juke box amp and they worked fine. Maybe they won't last 50 years but they work today.
They also had the vintage "coke bottle" shape for a little more money.
Paul K0UYA
----- Original Message -----
From: Pigman
To: glowbugradio@...m
Sent: Monday, January 17, 2011 1:06 AM
Subject: [glowbugradio] 6L6 (Russian and Sino)

With all my glow bug projects around here, I need to stop swaping my couple US mfg 6L6 tubes from this rig to that rig and have some spares. The price of US 6L6 tubes are crazy.

Do any of you have first hand experience with the inexpensive 6L6 tubes being offered on e-bay? (In the $4 to $15 range) Some are listed as 5881 and others 6P3S and yet others just 6L6.

I don't put any stock in the audio fool "tonal quality of the tubes". Of course if they don't cost $500 each, to them, they are worthless and sound terrible. I am concerned about failure rate and how well do they work in small MOPA transmitters in RF service as well as pp modulator tubes in AM transmitters.

Sure would be interested hearing from those that actually have tried them in these applications and hear what you think of any of them.

Thanks,

Lee, w0vt

786. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 19:28:41 UTC
From: Kenneth G. Gordon
Topic: 784 Message: 786

On 17 Jan 2011 at 7:06, Pigman wrote:

> With all my glow bug projects around here, I need to stop swapping my
> couple US mfg 6L6 tubes from this rig to that rig and have some
> spares. The price of US 6L6 tubes are crazy.

Well, sometimes AES has them on sale.

> Do any of you have first hand experience with the inexpensive 6L6
> tubes being offered on e-bay? (In the $4 to $15 range) Some are listed
> as 5881 and others 6P3S and yet others just 6L6.

Not with 6L6s, but I have bought and used others built in China and other places, like Russia. The 211s I have bought are at least as good as the old ones, and one heck of a lot cheaper. They appear to be identical with the originals.

The 572Bs can be very good, and I have bought and am presently using a pair of those in my SB-200. They are excellent.

Some are not so good, but you can usually tell from other users' descriptions.

The only complaint I have about some of the Chinese 572Bs is that they don't "reactivate" very well. I think it is because the filaments are not as robust as the originals, like Cetron. But, in normal use, they have been fine.

> I don't put any stock in the audio fool "tonal quality of the tubes".
> Of course if they don't cost $500 each, to them, they are worthless
> and sound terrible.

I agree. In one word, "Bull ****". What idiocy...

> I am concerned about failure rate and how well do
> they work in small MOPA transmitters in RF service as well as pp
> modulator tubes in AM transmitters.

I would not be a bit afraid to try those from reputable sellers. As an example, the "cheap" 572Bs I have bought come with a 1 year 100% replacement guarantee, and although they have to be shipped back to China, the cost is only about $20.00.

> Sure would be interested hearing from those that actually have tried
> them in these applications and hear what you think of any of them.

My experience shows that they are worth using.

I like them, and would not be one bit afraid of trying the 6L6s.

BTW, I have always been completely amazed that the 6L6 was used as a crystal oscillator of even a VFO tube for so many years in so many projects.

It is my contention that the 6L6 is NOT suitable as an oscillator tube, period.

Neither is the 6V6...or any beam-tetrode for that matter.

Ken W7EKB

787. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 20:16:09 UTC
From: Carl
Topic: 784 Message: 787

Metal versions are much cheaper and available.

Carl
KM1H

----- Original Message -----
From: "Pigman" <pulsarxp@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, January 17, 2011 2:06 AM
Subject: [glowbugradio] 6L6 (Russian and Sino)

With all my glow bug projects around here, I need to stop swaping my couple US mfg 6L6 tubes from this rig to that rig and have some spares. The price of US 6L6 tubes are crazy.

Do any of you have first hand experience with the inexpensive 6L6 tubes being offered on e-bay? (In the $4 to $15 range) Some are listed as 5881 and others 6P3S and yet others just 6L6.

I don't put any stock in the audio fool "tonal quality of the tubes". Of course if they don't cost $500 each, to them, they are worthless and sound terrible. I am concerned about failure rate and how well do they work in small MOPA transmitters in RF service as well as pp modulator tubes in AM transmitters.

Sure would be interested hearing from those that actually have tried them in these applications and hear what you think of any of them.

Thanks,

Lee, w0vt

788. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 20:19:12 UTC
From: Carl
Topic: 784 Message: 788

If you want a lot of grids in an oscillator tube use a 41, 42, 6F6, 6AG7, or do it the Navy way with an 860.

Crl
KM1H

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Pigman" <pulsarxp@...>; <glowbugradio@yahoogroups.com>
Sent: Monday, January 17, 2011 2:28 PM
Subject: Re: [glowbugradio] 6L6 (Russian and Sino)

> On 17 Jan 2011 at 7:06, Pigman wrote:
>
>> With all my glow bug projects around here, I need to stop swapping my
>> couple US mfg 6L6 tubes from this rig to that rig and have some
>> spares. The price of US 6L6 tubes are crazy.
>
> Well, sometimes AES has them on sale.
>
>> Do any of you have first hand experience with the inexpensive 6L6
>> tubes being offered on e-bay? (In the $4 to $15 range) Some are listed
>> as 5881 and others 6P3S and yet others just 6L6.
>
> Not with 6L6s, but I have bought and used others built in China and other
> places, like Russia. The 211s I have bought are at least as good as the
> old
> ones, and one heck of a lot cheaper. They appear to be identical with the
> originals.
>
> The 572Bs can be very good, and I have bought and am presently using a
> pair of those in my SB-200. They are excellent.
>
> Some are not so good, but you can usually tell from other users'
> descriptions.
>
> The only complaint I have about some of the Chinese 572Bs is that they
> don't "reactivate" very well. I think it is because the filaments are not
> as
> robust as the originals, like Cetron. But, in normal use, they have been
> fine.
>
>> I don't put any stock in the audio fool "tonal quality of the tubes".
>> Of course if they don't cost $500 each, to them, they are worthless
>> and sound terrible.
>

> I agree. In one word, "Bull ****". What idiocy...
>
>> I am concerned about failure rate and how well do
>> they work in small MOPA transmitters in RF service as well as pp
>> modulator tubes in AM transmitters.
>
> I would not be a bit afraid to try those from reputable sellers. As an
> example,
> the "cheap" 572Bs I have bought come with a 1 year 100% replacement
> guarantee, and although they have to be shipped back to China, the cost is
> only about $20.00.
>
>> Sure would be interested hearing from those that actually have tried
>> them in these applications and hear what you think of any of them.
>
> My experience shows that they are worth using.
>
> I like them, and would not be one bit afraid of trying the 6L6s.
>
> BTW, I have always been completely amazed that the 6L6 was used as a
> crystal oscillator of even a VFO tube for so many years in so many
> projects.
>
> It is my contention that the 6L6 is NOT suitable as an oscillator tube,
> period.
>
> Neither is the 6V6...or any beam-tetrode for that matter.
>
> Ken W7EKB
>

789. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 20:54:40 UTC
From: Kenneth G. Gordon
Topic: 784 Message: 789

On 17 Jan 2011 at 15:16, Carl wrote:

> Metal versions are much cheaper and available.

Where?

Also, what about the 16xx (?). 1619? 1616? I forget...

I think the 1619 has a 2.5 VAC filament.

Ken W7EKB

790. 6L6s

Yahoo group: glowbugradio
Date: 2011-01-17 22:57:03 UTC
From: Kenneth G. Gordon
Topic: 790 Message: 790

According to a very quick check on eBay for 6L6 tube*, there is some fellow selling NIB old metal 6L6s for $0.99 each.

Also AES has new Chinese 6L6Gs for $7.50.

Ken W7EKB

791. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 22:57:52 UTC
From: Carl
Topic: 784 Message: 791

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, January 17, 2011 3:54 PM
Subject: Re: [glowbugradio] 6L6 (Russian and Sino)

> On 17 Jan 2011 at 15:16, Carl wrote:
>
>> Metal versions are much cheaper and available.
>
> Where?

Wherever I look (-; I picked up 4 NIB RCA's last fall at a hamflea for $20 total, needed in one of the HT-9's

>
> Also, what about the 16xx (?). 1619? 1616? I forget...

And the 1614 which is RF rated; that ones a bit pricey at times.

>
> I think the 1619 has a 2.5 VAC filament.

Yup

And then there is the 6AG7Y RF rated with the low loss base. Dont know if it really helps.

There are a few in the 9 pin mini that work well also, 6CL6, 5763, that make a decent one tube rig with enough power to be heard.

Carl
KM1H

>
> Ken W7EKB
>

792. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 23:09:22 UTC
From: Kenneth G. Gordon
Topic: 784 Message: 792

On 17 Jan 2011 at 17:57, Carl wrote:

> > Where?
>
> Wherever I look (-; I picked up 4 NIB RCA's last fall at a hamflea for
> $20 total, needed in one of the HT-9's

I just checked ESRCvacuumtubes.com. Their metal 6L6s are around 1/2 the price of the glass jobs: $16.00 each vs $30.00.

I've bought tubes from ESRC before and they have always been superb to deal with.

> > Also, what about the 16xx (?). 1619? 1616? I forget...
>
> And the 1614 which is RF rated; that ones a bit pricey at times.

That's the one. Neat tube....when you can find one.

> > I think the 1619 has a 2.5 VAC filament.
>
> Yup

What was that weird FM rig that multiplied up from around 450 Khz to 10 meters and used a ton of 1619s? BC-6xx something. Worked together with the BC-683/684 receivers. Used in tanks.

> And then there is the 6AG7Y RF rated with the low loss base. Dont know
> if it really helps.

Well, I have always had the best of luck with the 6AG7 as an oscillator in RF service. Neat tube. You can buy those very cheaply. I have a number of those NIB.

> There are a few in the 9 pin mini that work well also, 6CL6, 5763,
> that make a decent one tube rig with enough power to be heard.

Yup. I bought about 50 of the 6CL6 from some seller on eBay some time ago. All brand new military.

The 5763 is the only easily-available beam-tetrode in which the beam-forming plates are NOT connected internally to the cathode. I bought a bunch of those of eBay about the same time I got the 6CL6s.

To me, who lives out in the sticks nowhere near a real hamfest, eBay is like a gigantic world-wide hamfest...but you have to shop carefully...

Ken W7EKB

793. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-17 23:20:08 UTC
From: Kenneth G. Gordon
Topic: 784 Message: 793

On 17 Jan 2011 at 15:19, Carl wrote:

>
>
> If you want a lot of grids in an oscillator tube use a 41, 42, 6F6,
> 6AG7, or do it the Navy way with an 860.

860 ! Yum! :-)

However, both the 42 and the 6F6 make superb oscillators. The 41 is kinda like a 6K6 and works very well as an audio amp. The RAL/RAK used them for audio amps and limiters.

Another superb oscillator tube is the 802, but boy are those getting hard to get.

Another AudioFool special.

Ken

794. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-18 02:23:24 UTC
From: Carl
Topic: 784 Message: 794

Well, Ive got the 860 but what I really want is an 861 which would make a nice final for a pre 1930 station.

Im playing around with a 24A as a VFO, its showing promise; next Ive got to find release dates for some buffer/amp tubes that are pre 30 and tetrode/pentodes. Dont want to burn up NIB 210's and 250's; I can sell those to audiophools and fill my oil tank.

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, January 17, 2011 6:20 PM
Subject: Re: [glowbugradio] 6L6 (Russian and Sino)

> On 17 Jan 2011 at 15:19, Carl wrote:
>
>>
>>
>> If you want a lot of grids in an oscillator tube use a 41, 42, 6F6,
>> 6AG7, or do it the Navy way with an 860.
>
> 860 ! Yum! :-)
>
> However, both the 42 and the 6F6 make superb oscillators. The 41 is kinda
> like a 6K6 and works very well as an audio amp. The RAL/RAK used them
> for audio amps and limiters.
>
> Another superb oscillator tube is the 802, but boy are those getting hard
> to
> get.
>
> Another AudioFool special.
>
> Ken
>

795. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-18 02:39:21 UTC
From: Kenneth G. Gordon
Topic: 784 Message: 795

On 17 Jan 2011 at 21:23, Carl wrote:

>
>
> Well, Ive got the 860 but what I really want is an 861 which would
> make a nice final for a pre 1930 station.
>
> Im playing around with a 24A as a VFO, its showing promise; next Ive
> got to find release dates for some buffer/amp tubes that are pre 30
> and tetrode/pentodes.

865 would be an excellent candidate. Pre-1930, cheap from AES.

> Dont want to burn up NIB 210's and 250's; I can
> sell those to audiophools and fill my oil tank.

Several times over...

Ken

796. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-19 01:08:41 UTC
From: Carl
Topic: 784 Message: 796

I still need something between the 24A and a power stage. When were the 41 and 42 released? There seems to be almost nothing available from those years, its a 71A or a 45 for triodes and a 24A wont drive a 45 worth a hoot. Maybe a 27 will work.

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Carl" <km1h@...>; <glowbugradio@yahoogroups.com>
Sent: Monday, January 17, 2011 9:39 PM
Subject: Re: [glowbugradio] 6L6 (Russian and Sino)

> On 17 Jan 2011 at 21:23, Carl wrote:
>
>>
>>
>> Well, Ive got the 860 but what I really want is an 861 which would
>> make a nice final for a pre 1930 station.
>>
>> Im playing around with a 24A as a VFO, its showing promise; next Ive
>> got to find release dates for some buffer/amp tubes that are pre 30
>> and tetrode/pentodes.
>
> 865 would be an excellent candidate. Pre-1930, cheap from AES.
>
>> Dont want to burn up NIB 210's and 250's; I can
>> sell those to audiophools and fill my oil tank.
>
> Several times over...
>
> Ken

797. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-19 01:32:37 UTC
From: Charles MacDonald
Topic: 784 Message: 797

On 11-01-18 08:08 PM, Carl wrote:
> I still need something between the 24A and a power stage. When were the 41
> and 42 released?

The 6F6 was out in 1935. so the 41 was earlier

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

798. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-19 03:21:32 UTC
From: Kenneth G. Gordon
Topic: 784 Message: 798

On 18 Jan 2011 at 20:08, Carl wrote:

> I still need something between the 24A and a power stage. When were
> the 41 and 42 released? There seems to be almost nothing available
> from those years, its a 71A or a 45 for triodes and a 24A wont drive a
> 45 worth a hoot. Maybe a 27 will work.

From this list below, it looks like the only possibility is the 40. However, several of the guys in the AWA have found that the 27 is much more capable than it might first seem.

Tube Data Page from 1929 ARRL Handbook.

UX-112A
UX-120
UX-171A
UX-199
UX-201A
UX-203A
UX-204A
UV-206
UX-210
UV-211
UX-222
UY-224
UY-227
UX-240
UX-245
UX-250
UX-841
UX-842
UX-845
UV-849
UV-851
UX-852
UV-860
UV-861
UX-865
WE-211A
WE-211D
WE-212A
WE-212D
WE-215A

Rectifiers, voltage regulators, and ballast tubes:
UX-213 UX-876 Ballast tube

UX-216B UX-886
UV-217A
UV-217C
UX-280 HV FW rectifier
UX-281
UX-866 MV Rectifier
UX-872 MV Rectifier
UX-874 VR tube

Ken W7EKB

799. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-19 05:26:13 UTC
From: mac
Topic: 784 Message: 799

The 849 used as a speech amp/ modulator in the GP-7 and TBW might work. Essentially a 27 on steroids. Presume this tube started out life as the UX-849 listed below.

Dennis D. W7QHO
w7qho@...

****

On Jan 18, 2011, at 7:21 PM, Kenneth G. Gordon wrote:

>
> On 18 Jan 2011 at 20:08, Carl wrote:
>
> > I still need something between the 24A and a power stage. When were
> > the 41 and 42 released? There seems to be almost nothing available
> > from those years, its a 71A or a 45 for triodes and a 24A wont
> drive a
> > 45 worth a hoot. Maybe a 27 will work.
>
> From this list below, it looks like the only possibility is the 40.
> However, several of the guys in the AWA have found that the 27 is
> much more capable than it might first seem.
>
> Tube Data Page from 1929 ARRL Handbook.
>
>
> UX-112A
> UX-120
> UX-171A
> UX-199
> UX-201A
> UX-203A
> UX-204A
> UV-206
> UX-210
> UV-211
> UX-222
> UY-224
> UY-227
> UX-240
> UX-245
> UX-250
> UX-841
> UX-842
> UX-845

> UV-849
> UV-851
> UX-852
> UV-860
> UV-861
> UX-865
> WE-211A
> WE-211D
> WE-212A
> WE-212D
> WE-215A
>
> Rectifiers, voltage regulators, and ballast tubes:
> UX-213 UX-876
> Ballast tube
> UX-216B UX-886
> UV-217A
> UV-217C
> UX-280 HV FW rectifier
> UX-281
> UX-866 MV Rectifier
> UX-872 MV Rectifier
> UX-874 VR tube
>
> Ken W7EKB
>
>

800. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-19 05:56:50 UTC
From: LEE BAHR
Topic: 784 Message: 800

I guess nobody has any experience with Russian 6L6 tubes (6P3S) in a small MOPA rig as the final output tube. At least nobody said so. I will be the guinea pig. I just bought 8 of them, so we shall see. They sure were cheap enough to try.

Lee, w0vt

801. Re: [glowbugradio] 6L6 (Russian and Sino)

Yahoo group: glowbugradio
Date: 2011-01-19 17:29:21 UTC
From: Kenneth G. Gordon
Topic: 784 Message: 801

On 18 Jan 2011 at 23:56, LEE BAHR wrote:

>
>
> I guess nobody has any experience with Russian 6L6 tubes (6P3S) in a
> small MOPA rig as the final output tube. At least nobody said so. I
> will be the guinea pig. I just bought 8 of them, so we shall see. They
> sure were cheap enough to try.

I don't think you will be disappointed. As I said, I have had good luck with foreign tubes.

Please let us know 1) exactly WHICH ones you bought, and 2) how they work out for you.

Ken W7EKB

802. Re: [glowbugradio] 6L6 (Russian and Sino) (correction)

Yahoo group: glowbugradio
Date: 2011-01-20 05:44:08 UTC
From: mac
Topic: 784 Message: 802

Make that an 843 (VT-73), sorry.

DD

****
On Jan 18, 2011, at 9:26 PM, mac wrote:

> The 849 used as a speech amp/ modulator in the GP-7 and TBW might
> work. Essentially a 27 on steroids. Presume this tube started out
> life as the UX-849 listed below.
>
>
> Dennis D. W7QHO
> w7qho@...
>
> **********
>
> On Jan 18, 2011, at 7:21 PM, Kenneth G. Gordon wrote:
>
>>
>> On 18 Jan 2011 at 20:08, Carl wrote:
>>
>> > I still need something between the 24A and a power stage. When were
>> > the 41 and 42 released? There seems to be a lmost nothing available
>> > from those years, its a 71A or a 45 for triodes and a 24A wont
>> drive a
>> > 45 worth a hoot. Maybe a 27 will work.
>>
>> From this list below, it looks like the only possibility is the 40.
>> However, several of the guys in the AWA have found that the 27 is
>> much more capable than it might first seem.
>>
>> Tube Data Page from 1929 ARRL Handbook.
>>
>>
>> UX-112A
>> UX-120
>> UX-171A
>> UX-199
>> UX-201A
>> UX-203A
>> UX-204A
>> UV-206
>> UX-210
>> UV-211
>> UX-222

>> UY-224
>> UY-227
>> UX-240
>> UX-245
>> UX-250
>> UX-841
>> UX-842
>> UX-845
>> UV-849
>> UV-851
>> UX-852
>> UV-860
>> UV-861
>> UX-865
>> WE-211A
>> WE-211D
>> WE-212A
>> WE-212D
>> WE-215A
>>
>> Rectifiers, voltage regulators, and ballast tubes:
>> UX-213 &nbs p;
>> UX-876 Ballast tube
>> UX-216B UX-886
>> UV-217A
>> UV-217C
>> UX-280 HV FW rectifier
>> UX-281
>> UX-866 MV Rectifier
>> UX-872 MV Rectifier
>> UX-874 VR tube
>>
>> Ken W7EKB
>>
>
>
>

803. Re: [National] NCX-A Power Supply Question

Yahoo group: glowbugradio
Date: 2011-01-21 06:26:44 UTC
From: Kenneth G. Gordon
Topic: 803 Message: 803

Carl:

I asked Ludwell Sibley about the dates of introduction of the 41, 42 and 843, and this is what he said:

"Hmmm . . . the 41 and 42 are "no joy," having been introduced in Nov. 1932 and January 1933 respectively.

I haven't figured out when the 843 appeared - there's no sheet on it in the RCA marketing records. It was in the product line in April 1934, is on a specification sheet dated May 1934, and the HB-3 page is dated Feb. 1935. So I'd guess it came about in 1933-34.

The 865 was "new" in April 1929. Could always triode-connect it!

10s and 50s and 860s are sort of a cliché' today, but they were bread-and-butter stuff back then. Maybe something Western Electric, like a 211E. (Yes, you're fighting the audio boys for those, but at least there were used tubes leaked to aspiring hams in the old days.)

I'm gonna write a "Journal" column about introduction dates of tubes!

Lud"

804. Re: [National] NCX-A Power Supply Question

Yahoo group: glowbugradio
Date: 2011-01-22 00:30:01 UTC
From: Carl
Topic: 803 Message: 804
Attachments: 1 described; binary payloads are missing from this source WARC

I got this off another forum that I asked the same questions.

So with all the good tubes coming in 32-33 it looks like the pre 1930 lineup to start will be 24, 27 (maybe 2), 45 (probably 2), 860 for about 125W out. I really want to save the NIB UX-210's for those who have more money than brains. The 45's are the only pricey tubes I'll be using but I have several used ones that test at full power.

Now if someone has a decent used 841, VT-51, 10/210 that doesnt need to make a car payment I might be interested.

Carl
KM1H

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Carl" <km1h@...>; <glowbugradio@yahoogroups.com>
Sent: Friday, January 21, 2011 1:26 AM
Subject: Re: [National] NCX-A Power Supply Question

Carl:

I asked Ludwell Sibley about the dates of introduction of the 41, 42 and 843, and this is what he said:

"Hmmm . . . the 41 and 42 are "no joy," having been introduced in Nov. 1932 and January 1933 respectively.

I haven't figured out when the 843 appeared - there's no sheet on it in the RCA marketing records. It was in the product line in April 1934, is on a specification sheet dated May 1934, and the HB-3 page is dated Feb. 1935. So I'd guess it came about in 1933-34.

The 865 was "new" in April 1929. Could always triode-connect it!

10s and 50s and 860s are sort of a cliché' today, but they were bread-and-butter stuff back then. Maybe something Western Electric, like a 211E. (Yes, you're fighting the audio boys for those, but at least there were used tubes leaked to aspiring hams in the old days.)

I'm gonna write a "Journal" column about introduction dates of tubes!

Lud"

805. Re: [glowbugradio] Re: [National] NCX-A Power Supply Question

Yahoo group: glowbugradio
Date: 2011-01-22 00:49:24 UTC
From: Jim
Topic: 803 Message: 805

Carl,

I guess this is a silly question (or maybe two questions), but Ludwell Sibley has the list you shared, "Issue Dates of Receiving Tubes," right? And also -- if you're friends with Ludwell, can you introduce me to him someday?

Ludwell and I exchanged emails once a few years back. He's a good fella, and not in the gangster way. My kids live not too far from his neck of the woods in the PNW, and the next time I'm up there, I'd like to go shake his hand. His research work on tubes has added an incomparable resource for us, and I'd like to thank him. The last couple of times I was up there, I did not have the time. I'm hoping he still has enough time for me to get back up there.

73
Jim N6OTQ

>
>From: Carl <km1h@....com>
>To: kgordon2006@...; glowbugradio@yahoogroups.com
>Sent: Fri, January 21, 2011 6:30:01 PM
>Subject: [glowbugradio] Re: [National] NCX-A Power Supply Question
>
>
>
>
>I got this off another forum that I asked the same questions.
>
>So with all the good tubes coming in 32-33 it looks like the pre 1930 lineup to
>start will be 24, 27 (maybe 2), 45 (probably 2), 860 for about 125W out. I
>really want to save the NIB UX-210's for those who have more money than brains.
>The 45's are the only pricey tubes I'll be using but I have several used ones
>that test at full power.
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>
>Now if someone has a decent used 841, VT-51, 10/210 that doesnt need to make a
>car payment I might be interested.
>
>
>Carl
>KM1H
>
>
>
>----- Original Message -----
>From: "Kenneth G. Gordon" <kgordon2006@frontier.com>
>To: "Carl" <km1h@...>; <glowbugradio@...m>

>Sent: Friday, January 21, 2011 1:26 AM
>Subject: Re: [National] NCX-A Power Supply Question
>
>Carl:
>
>I asked Ludwell Sibley about the dates of introduction of the 41, 42 and 843,
>and this is what he said:
>
>"Hmmm . . . the 41 and 42 are "no joy," having been introduced in Nov. 1932
>and January 1933 respectively.
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>the RCA marketing records. It was in the product line in April 1934, is
>on a specification sheet dated May 1934, and the HB-3 page is dated Feb.
>1935. So I'd guess it came about in 1933-34.
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>The 865 was "new" in April 1929. Could always triode-connect it!
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>10s and 50s and 860s are sort of a cliché' today, but they were
>bread-and-butter stuff back then. Maybe something Western Electric, like
>a 211E. (Yes, you're fighting the audio boys for those, but at least
>there were used tubes leaked to aspiring hams in the old days.)
>
>I'm gonna write a "Journal" column about introduction dates of tubes!
>
>Lud"
>
>
>
>

806. Re: [glowbugradio]Tube dates

Yahoo group: glowbugradio
Date: 2011-01-22 01:29:19 UTC
From: Carl
Topic: 806 Message: 806

That list isnt in Tube Lore by Lud and I dont know who created it Jim.

Lud is a regular on the TCA forum on Yahoo, join up and yak at him.

Carl
KM1H

----- Original Message -----
From: "Jim" <n6otq@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, January 21, 2011 7:49 PM
Subject: Re: [glowbugradio] Re: [National] NCX-A Power Supply Question

Carl,

I guess this is a silly question (or maybe two questions), but Ludwell Sibley
has the list you shared, "Issue Dates of Receiving Tubes," right? And also --
if you're friends with Ludwell, can you introduce me to him someday?

Ludwell and I exchanged emails once a few years back. He's a good fella, and
not in the gangster way. My kids live not too far from his neck of the woods in
the PNW, and the next time I'm up there, I'd like to go shake his hand. His
research work on tubes has added an incomparable resource for us, and I'd like
to thank him. The last couple of times I was up there, I did not have the time.
I'm hoping he still has enough time for me to get back up there.

73
Jim N6OTQ

>
>From: Carl <km1h@...>
>To: kgordon2006@...; glowbugradio@yahoogroups.com
>Sent: Fri, January 21, 2011 6:30:01 PM
>Subject: [glowbugradio] Re: [National] NCX-A Power Supply Question
>
>
>
>
>I got this off another forum that I asked the same questions.
>
>So with all the good tubes coming in 32-33 it looks like the pre 1930

>lineup to
>start will be 24, 27 (maybe 2), 45 (probably 2), 860 for about 125W out. I
>really want to save the NIB UX-210's for those who have more money than
>brains.
>The 45's are the only pricey tubes I'll be using but I have several used
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>that test at full power.
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>Now if someone has a decent used 841, VT-51, 10/210 that doesnt need to
>make a
>car payment I might be interested.
>
>
>Carl
>KM1H
>
>
>
>----- Original Message -----
>From: "Kenneth G. Gordon" <kgordon2006@...>
>To: "Carl" <km1h@...>; <glowbugradio@yahoogroups.com>
>Sent: Friday, January 21, 2011 1:26 AM
>Subject: Re: [National] NCX-A Power Supply Question
>
>Carl:
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>I asked Ludwell Sibley about the dates of introduction of the 41, 42 and
>843,
>and this is what he said:
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>"Hmmm . . . the 41 and 42 are "no joy," having been introduced in Nov.
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>and January 1933 respectively.
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>The 865 was "new" in April 1929. Could always triode-connect it!
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>10s and 50s and 860s are sort of a clich?' today, but they were
>bread-and-butter stuff back then. Maybe something Western Electric, like
>a 211E. (Yes, you're fighting the audio boys for those, but at least
>there were used tubes leaked to aspiring hams in the old days.)
>
>I'm gonna write a "Journal" column about introduction dates of tubes!
>
>Lud"

>
>
>
>

807. Re: [glowbugradio]Tube dates

Yahoo group: glowbugradio
Date: 2011-01-22 03:36:35 UTC
From: Charles MacDonald
Topic: 806 Message: 807

On 11-01-21 08:29 PM, Carl wrote:
> That list isnt in Tube Lore by Lud and I dont know who created it Jim.
>
> Lud is a regular on the TCA forum on Yahoo, join up and yak at him.
>

Lud is a great researcher for tube history, and he is also the editor of
the "Tube Collector"
http://www.tubecollectors.org/tubecoll.htm
which is the "official Publication" of the Tube collectors association.

http://www.tubecollectors.org/

<subtle Plug>

Anyone who is interested in Vacuum tubes absoutly MUST sign up for
memebership. $20 per year (includes the US, Canada, and Mexico) and $25
outside North America. Back issues are available as well.

The TCA also has a ongoing project to index all the JEDEC (EIA, RETMA,
RMA) tube registration files. They have the current version as a well
stuffed DVD data Disk out at 50 bucks. A steal! I have heard that a
revised version will be out "real Soon Now" Unfortunatly for the
current discussion, the existing version does not have much pre WWII
data, but the next version apparently will. the old two digit numbers
were of course in the "pre-history" era,

There is also (wait there is more) the Tube collectors Yahoo group/maillist

http://groups.yahoo.com/group/tubecollectorsassociation/

As mentioned Lud is also the fellow who did the "tube Lore" book. I am
not sure if he still has copies, but it is available form
"http://tubesandmore.com/ "

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

808. If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-24 21:40:36 UTC
From: Deane McIntyre
Topic: 806 Message: 808

This message was transferred with a trial version of CommuniGate(tm) Pro

If the XYL complains about your BA collection show her this:

<http://www.landaircom.com/showroom.html>

73,

Deane McIntyre VE6BPO

809. Re: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-24 22:42:40 UTC
From: John Ruccolo
Topic: 806 Message: 809

Gee,, with all that stuff you would think he would know how to *correctly* spell Hallicrafters and Hammarlund!!!

From: Deane McIntyre <Deane@...>
To: glowbugradio@yahoogroups.com
Sent: Mon, January 24, 2011 4:40:36 PM
Subject: [glowbugradio] If the XYL complains about your BA collection.....

This message was transferred with a trial version of CommuniGate(tm) Pro

If the XYL complains about your BA collection show her this:

<http://www.landaircom.com/showroom.html>

73,

Deane McIntyre VE6BPO

810. Re: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-24 23:57:26 UTC
From: Carl
Topic: 806 Message: 810

He must figure that with the money he charges at the shop spelling is for
the little people....

Carl
KM1H

----- Original Message -----
From: "John Ruccolo" <jr6v6gt@...>
To: <glowbugradio@yahoogroups.com>
Sent: Monday, January 24, 2011 5:42 PM
Subject: Re: [glowbugradio] If the XYL complains about your BA
collection.....

Gee,, with all that stuff you would think he would know how to *correctly*
spell
Hallicrafters and Hammarlund!!!

_____
From: Deane McIntyre <Deane@...>
To: glowbugradio@yahoogroups.com
Sent: Mon, January 24, 2011 4:40:36 PM
Subject: [glowbugradio] If the XYL complains about your BA collection.....

This message was transferred with a trial version of CommuniGate(tm) Pro

If the XYL complains about your BA collection show her this:

<http://www.landaircom.com/showroom.html>

73,

Deane McIntyre VE6BPO

811. RE: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-24 23:59:49 UTC
From: D C *Mac* Macdonald
Topic: 806 Message: 811

I sold him a set of A/B/C/D HRO-60 coils several
years back and he screamed like hell because there
was a slight flaw on ONE of them.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

_____
> To: glowbugradio@yahoogroups.com
> From: km1h@...
> Date: Mon, 24 Jan 2011 18:57:26 -0500
> Subject: Re: [glowbugradio] If the XYL complains about your BA
> collection.....
>
>
>
> He must figure that with the money he charges at the shop spelling is for
> the little people....
>
> Carl
> KM1H
>
> ----- Original Message -----
> From: "John Ruccolo" >
> To: >
> Sent: Monday, January 24, 2011 5:42 PM
> Subject: Re: [glowbugradio] If the XYL complains about your BA
> collection.....
>
> Gee,, with all that stuff you would think he would know how to *correctly*
> spell
> Hallicrafters and Hammarlund!!!
>
> _____
> From: Deane McIntyre
> >
> To: glowbugradio@yahoogroups.com
> Sent: Mon, January 24, 2011 4:40:36 PM
> Subject: [glowbugradio] If the XYL complains about your BA collection.....
>
> *This message was transferred with a trial version of CommuniGate(tm) Pro*

>
> If the XYL complains about your BA collection show her this:
>
>
>
> 73,
>
> Deane McIntyre VE6BPO
>
>
>

812. Re: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-26 03:48:35 UTC
From: Bill Cotter
Topic: 806 Message: 812

Looks like a case of "hoarder syndromme" crying
out for professional help..... Perhaps
RadioMart can come to the rescue ;^)

de n4lg

At 04:40 PM 1/24/2011, you wrote:
>
>
>*This message was transferred with a trial
>version of CommuniGate(tm) Pro*
>
>If the XYL complains about your BA collection show her this:
>
><<http://www.landaircom.com/showroom.html>http://www.landaircom.com/showroom.html>
>
>73,
>
>Deane McIntyre VE6BPO
>

813. Re: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-26 03:59:48 UTC
From: Jim
Topic: 813 Message: 813

I dunno, he says he's in business to repair and sell.

I pinged him in email this morning about one of his claimed in-stock items with a relatively high scarcity and collectibility factor. It's not a Collins, but because of what it is, it's in that same range. If he replies in a professional time-frame, I'll share with the group what he said.

Of course, if it's cheap enough, then I just bought it :)

Jim N6OTQ

----- Original Message ----
> From: Bill Cotter <n4lg@...>
> To: glowbugradio@yahoogroups.com
> Sent: Tue, January 25, 2011 9:48:35 PM
> Subject: Re: [glowbugradio] If the XYL complains about your BA collection.....
>
> Looks like a case of "hoarder syndromme" crying
> out for professional help........ Perhaps
> RadioMart can come to the rescue ;^)
>
> de n4lg

814. Re: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-26 18:50:12 UTC
From: John Ruccolo
Topic: 806 Message: 814

I met this LandAir guy last summer at a N. Jersey hamfest. He was really beating up an acquaintance of mine over $10 or $20 on a Hallicrafters SSB transmitter (HT-44, I think).

Had I known this so-and-so had all *that* stuff, I would have bought it for the asking price! ;-)

----- Original Message ----
From: D C *Mac* Macdonald <k2gkk@...>
To: Glowbug Radio <glowbugradio@yahoogroups.com>
Sent: Mon, January 24, 2011 6:59:49 PM
Subject: RE: [glowbugradio] If the XYL complains about your BA collection.....

I sold him a set of A/B/C/D HRO-60 coils several
years back and he screamed like hell because there
was a slight flaw on ONE of them.

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* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

_____
> To: glowbugradio@yahoogroups.com
> From: km1h@...
> Date: Mon, 24 Jan 2011 18:57:26 -0500
> Subject: Re: [glowbugradio] If the XYL complains about your BA
> collection.....
>
>
>
> He must figure that with the money he charges at the shop spelling is for
> the little people....
>
> Carl
> KM1H
>
> ----- Original Message -----
> From: "John Ruccolo" >
> To: >
> Sent: Monday, January 24, 2011 5:42 PM
> Subject: Re: [glowbugradio] If the XYL complains about your BA
> collection.....
>

> Gee,, with all that stuff you would think he would know how to *correctly*
> spell
> Hallicrafters and Hammarlund!!!
>
> _____
> From: Deane McIntyre
> >
> To: glowbugradio@yahoogroups.com
> Sent: Mon, January 24, 2011 4:40:36 PM
> Subject: [glowbugradio] If the XYL complains about your BA collection.....
>
> *This message was transferred with a trial version of CommuniGate(tm) Pro*
>
> If the XYL complains about your BA collection show her this:
>
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>
> 73,
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> Deane McIntyre VE6BPO
>
>
>

Yahoo! Groups Links

815. Re: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-26 20:51:08 UTC
From: Carl
Topic: 806 Message: 815

That bozo responded to an ER ad for a Harvey Wells Twins TX PS, he only wanted $450 since it was "rare". Meanwhile a $30 HP-23 does it well.

Carl
KM1H

----- Original Message -----
From: "John Ruccolo" <jr6v6gt@...>
To: <glowbugradio@yahoogroups.com>
Sent: Wednesday, January 26, 2011 1:50 PM
Subject: Re: [glowbugradio] If the XYL complains about your BA collection.....

I met this LandAir guy last summer at a N. Jersey hamfest. He was really beating
up an acquaintance of mine over $10 or $20 on a Hallicrafters SSB transmitter
(HT-44, I think).

Had I known this so-and-so had all *that* stuff, I would have bought it for the
asking price! ;-)

----- Original Message ----
From: D C *Mac* Macdonald <k2gkk@...>
To: Glowbug Radio <glowbugradio@yahoogroups.com>
Sent: Mon, January 24, 2011 6:59:49 PM
Subject: RE: [glowbugradio] If the XYL complains about your BA collection.....

I sold him a set of A/B/C/D HRO-60 coils several
years back and he screamed like hell because there
was a slight flaw on ONE of them.

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* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

_____
> To: glowbugradio@yahoogroups.com
> From: km1h@...
> Date: Mon, 24 Jan 2011 18:57:26 -0500
> Subject: Re: [glowbugradio] If the XYL complains about your BA
> collection.....

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> He must figure that with the money he charges at the shop spelling is for
> the little people....
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> Carl
> KM1H
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> ----- Original Message -----
> From: "John Ruccolo" >
> To: >
> Sent: Monday, January 24, 2011 5:42 PM
> Subject: Re: [glowbugradio] If the XYL complains about your BA
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> To: glowbugradio@yahoogroups.com
> Sent: Mon, January 24, 2011 4:40:36 PM
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>
> 73,
>
> Deane McIntyre VE6BPO
>
>
>

Yahoo! Groups Links

816. QRP transmitters

Yahoo group: glowbugradio
Date: 2011-01-26 20:56:24 UTC
From: Kenneth G. Gordon
Topic: 816 Message: 816

Has anyone besides me bought and/or used any of those beautifully designed and built single-band crystal-controlled QRP transmitters that Fair Radio Sales was selling for a long time?

They were listed as Ryan Communications rigs.

I bought several of them over the years; those for 160, 80, and 40 meters from Fair, and recently bought ones for 30 and 20 meters directly from Ryan Toth, the original designer and builder.

These are beautifully built and sound very, very nice on the air. Power output is around 5 watts with 12.6 VDC powering them.

Ryan is moving his operation to California in the very near future so he can be a bit closer to the aerospace industry, for which he has designed and built equipment for several years.

In any case, I can very highly recommend these rigs to anyone who might be interested. In addition to being high quality, they are inexpensive.

I am going to mount those I have in a small cabinet or suitcase with a decent receiver and use it as a multiband QRP rig.

Ryan told me today that he is also going to build and market a companion receiver, antenna matching unit, etc.

He seems to be quite accessible. His e-mail address is: Ryan Toth <ryantoth@...>

Ken Gordon W7EKB

817. Re: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-26 21:03:47 UTC
From: John Dilks, K2TQN
Topic: 806 Message: 817

Perhaps I am lucky, but I had one dealing with LandAir. While it was expensive, I wanted the item. I could have walked away, but decided his price was acceptable. And I am still happy with my purchase.

And I did enjoy a tour through his home, which had every nook and cranny filled with boatanchors. He is a master of organization in my book. His home is overwhelming and worth visiting.

Overall I am satisfied with my deal. My suggestion: If he asks too much, there are other sellers to buy from.

73, John

At 03:51 PM 1/26/2011, Carl wrote:
>I met this LandAir guy last summer at a N. Jersey hamfest

818. Re: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-26 21:22:17 UTC
From: Charles MacDonald
Topic: 806 Message: 818

On 11-01-26 03:51 PM, Carl wrote:
> That bozo responded to an ER ad for a Harvey Wells Twins TX PS, he only
> wanted $450 since it was "rare". Meanwhile a $30 HP-23 does it well.

The HP is probably better built, as it is probably deprecated 90%, while
the HW unit probably carries a "Collectors Premium"

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

819. RE: [glowbugradio] If the XYL complains about your BA collection.....

Yahoo group: glowbugradio
Date: 2011-01-26 21:55:48 UTC
From: D C *Mac* Macdonald
Topic: 806 Message: 819

Well, I'm still looking for the matching
power supply for my Harvey Wells T-90.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
CC: km1h@...
From: aa508@...n.ca
Date: Wed, 26 Jan 2011 16:22:17 -0500
Subject: Re: [glowbugradio] If the XYL complains about your BA collection.....

On 11-01-26 03:51 PM, Carl wrote:

> That bozo responded to an ER ad for a Harvey Wells Twins TX PS, he only
> wanted $450 since it was "rare". Meanwhile a $30 HP-23 does it well.

The HP is probably better built, as it is probably deprecated 90%, while
the HW unit probably carries a "Collectors Premium"

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/

820. QRP tranmitters.

Yahoo group: glowbugradio
Date: 2011-01-26 23:18:31 UTC
From: Kenneth G. Gordon
Topic: 820 Message: 820

Gentlemen:

Please DO NOT use the e-mail address I inadvertently posted to the list for the maker of the
QRP transmitters I mentioned in that recent post.

It was not meant to be sent to the list, and I apologize to everyone for making that mistake.

For details on those transmitters, and for contact information, go here:

eBay item number: 260727723238

Ken Gordon W7EKB

821. Re: [glowbugradio] QRP tranmitters.

Yahoo group: glowbugradio
Date: 2011-01-27 00:54:24 UTC
From: Carl
Topic: 820 Message: 821

I might still have some Radiokit xcvr boards and other parts left.

Stable VFO, xtal filter superhet with the usual NE-602 and MC-1350 circuit.
Ive worked a lot of DX with the 40, 30, 20, and 15M versions, also available
for 80 and 17. These were pretty much copied completely by MFJ.

Ive no use for being rock bound.

Carl
KM1H
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <Glowbugradio@yahoogroups.com>
Sent: Wednesday, January 26, 2011 6:18 PM
Subject: [glowbugradio] QRP tranmitters.

> Gentlemen:
>
> Please DO NOT use the e-mail address I inadvertently posted to the list
> for the maker of the
> QRP transmitters I mentioned in that recent post.
>
> It was not meant to be sent to the list, and I apologize to everyone for
> making that mistake.
>
> For details on those transmitters, and for contact information, go here:
>
> eBay item number: 260727723238
>
> Ken Gordon W7EKB
>

822. Re: [glowbugradio] QRP tranmitters.

Yahoo group: glowbugradio
Date: 2011-01-27 01:25:40 UTC
From: Charlie , W5COV
Topic: 820 Message: 822

I guess that I am not familiar with them . Nothing new there :)

Is there a place to see information and prices on them ?

The Radiokit xcvr sounds like a much better rig than the average QRP kits out there , depending on how expensive they are .

The receiver part is more of interest to me . Sound like it could be decent enough to use for especially my current 40 and 30 meter projects .

Charlie , W5COV

I might still have some Radiokit xcvr boards and other parts left.

Stable VFO, xtal filter superhet with the usual NE-602 and MC-1350 circuit.
Ive worked a lot of DX with the 40, 30, 20, and 15M versions, also available
for 80 and 17. These were pretty much copied completely by MFJ.

Ive no use for being rock bound.

Carl
KM1H
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <Glowbugradio@yahoogroups.com>
Sent: Wednesday, January 26, 2011 6:18 PM
Subject: [glowbugradio] QRP tranmitters.

> Gentlemen:
>
> Please DO NOT use the e-mail address I inadvertently posted to the list
> for the maker of the
> QRP transmitters I mentioned in that recent post.
>
> It was not meant to be sent to the list, and I apologize to everyone for
> making that mistake.
>
> For details on those transmitters, and for contact information, go here:
>
> eBay item number: 260727723238
>
> Ken Gordon W7EKB
>

823. Re: [glowbugradio] QRP tranmitters.

Yahoo group: glowbugradio
Date: 2011-01-27 02:34:13 UTC
From: Carl
Topic: 820 Message: 823

They were written up in QST or HRM in the mid 80's, dont have details in front of me, it was 20M only and I later did the other bands. The author was Rick Littlefield, K1BQT, who later jumped to MFJ before returning to NH and Cushcraft.

I can look thru stuff tomorrow for more info.

With the old 4/4/4/4 on 20M I used to bust pileups with the 5W!

Carl

----- Original Message -----
From: "Charlie , W5COV" <cvest@...>
To: <glowbugradio@yahoogroups.com>
Sent: Wednesday, January 26, 2011 8:25 PM
Subject: Re: [glowbugradio] QRP tranmitters.

I guess that I am not familiar with them . Nothing new there :)

Is there a place to see information and prices on them ?

The Radiokit xcvr sounds like a much better rig than the average QRP kits out there , depending on how expensive they are .

The receiver part is more of interest to me . Sound like it could be decent enough to use for especially my current 40 and 30 meter projects .

Charlie , W5COV

I might still have some Radiokit xcvr boards and other parts left.

Stable VFO, xtal filter superhet with the usual NE-602 and MC-1350 circuit.
Ive worked a lot of DX with the 40, 30, 20, and 15M versions, also available
for 80 and 17. These were pretty much copied completely by MFJ.

Ive no use for being rock bound.

Carl
KM1H
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <Glowbugradio@yahoogroups.com>
Sent: Wednesday, January 26, 2011 6:18 PM
Subject: [glowbugradio] QRP tranmitters.

> Gentlemen:
>
> Please DO NOT use the e-mail address I inadvertently posted to the list
> for the maker of the
> QRP transmitters I mentioned in that recent post.
>
> It was not meant to be sent to the list, and I apologize to everyone for
> making that mistake.
>
> For details on those transmitters, and for contact information, go here:
>
> eBay item number: 260727723238
>
> Ken Gordon W7EKB
>

824. Re: [glowbugradio] QRP tranmitters.

Yahoo group: glowbugradio
Date: 2011-01-27 04:07:12 UTC
From: Charlie , W5COV
Topic: 820 Message: 824

Thanks Carl ,

I would appreciate it . During the 80's , I was tied up with a 7 year long construction through commercial operation coal fired power plant and didn't spend much time on radio .

Besides 30 meters being my favorite band these days and 40 was from day 1 as a Novice in 1965 , I now have use for a fairly decent and cheap receiver for each band that I can devote to the QRSS beacons or WSPR .

Charlie , W5COV

825. Re: [glowbugradio] QRP transceivers.

Yahoo group: glowbugradio
Date: 2011-01-27 17:42:34 UTC
From: Kenneth G. Gordon
Topic: 820 Message: 825

On 26 Jan 2011 at 21:34, Carl wrote:

> They were written up in QST or HRM in the mid 80's, dont have details
> in front of me, it was 20M only and I later did the other bands. The
> author was Rick Littlefield, K1BQT, who later jumped to MFJ before
> returning to NH and Cushcraft.

Carl:

Are you thinking, rather, of the Gary Breed K9AY 20 meter transceiver that was written up in QST in December of 1990 and January of 1991? He lived in Littleton, Colorado.

The unit shown there looks almost identical to the one now sold by MFJ.

Here is a link to the entire series of articles:

http://www.kd5om.com/k9ay.PDF

and the description sounds identical with what you have said here about the rig. VFO, crystal lattice filter, AGC, "S" meter, etc.

Information is included in this series of articles allowing modification to almost any band from 160 through 6 meters.

I am impressed.

Ken Gordon W7EKB

826. Re: [glowbugradio] QRP transceivers.

Yahoo group: glowbugradio
Date: 2011-01-27 18:04:12 UTC
From: Carl
Topic: 820 Message: 826

Of course not.
Copycats got into the act later

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Carl" <km1h@...>; <glowbugradio@yahoogroups.com>
Sent: Thursday, January 27, 2011 12:42 PM
Subject: Re: [glowbugradio] QRP transceivers.

> On 26 Jan 2011 at 21:34, Carl wrote:
>
>> They were written up in QST or HRM in the mid 80's, dont have details
>> in front of me, it was 20M only and I later did the other bands. The
>> author was Rick Littlefield, K1BQT, who later jumped to MFJ before
>> returning to NH and Cushcraft.
>
> Carl:
>
> Are you thinking, rather, of the Gary Breed K9AY 20 meter transceiver that
> was written up in QST in December of 1990 and January of 1991? He lived
> in Littleton, Colorado.
>
> The unit shown there looks almost identical to the one now sold by MFJ.
>
> Here is a link to the entire series of articles:
>
> http://www.kd5om.com/k9ay.PDF
>
> and the description sounds identical with what you have said here about
> the
> rig. VFO, crystal lattice filter, AGC, "S" meter, etc.
>
> Information is included in this series of articles allowing modification
> to
> almost any band from 160 through 6 meters.
>
> I am impressed.
>
> Ken Gordon W7EKB

827. Boatanchor items FS

Yahoo group: glowbugradio
Date: 2011-01-29 14:54:32 UTC
From: Ken Simpson, W8EK
Topic: 585 Message: 827

Boatanchor related items For Sale
Microphones and Mic Stands, DSP Filter, Digital interfaces,
Code Oscillator and Key, Coax Switch, Low Pass TVI Filters,
SWR Bridges, etc.

TenTec 215 P, High Impedance Desk Microphone:

The 215 P is a ceramic type mic for hand held or desk top
operation. It offers optimum articulation, free of power
peaks, impervious to temperature and humidity changes. It
includes cable, PTT switch, and separate desk stand, with
1/4 inch stereo plug.

Specifications:
Element: Ceramic
Impedance: High
Response: 200-4000 Hz
Level: -50 dB
PTT Switch: SPDT
Cable: 4', one conductor shielded, two conductors unshielded
Case: Die-cast Zinc and Cycolac®
Base: Die-cast Zinc
Color: Gray front, black back, gray stand
Height: 8.5" in base

This particular mic works fine. This one also looks extremely
nice. Most of these have the paint scraped off or deteriorated.
This one does not. It is in extremely nice condition.

With paper work for $75.

Kenwood MC-80 Desk Microphone:

The Kenwood MC-80 is an omnidirectional electret condenser
"gooseneck" desk mic. It has UP-DOWN tuning plus a built-in
pre-amp. There is a switch for PTT and also a lock feature.
The mic impedance is 700 ohms so it can be used with a wide
range of models, and it has a frequency response of 200 Hz
to 7 KHz. There is a potentiometer adjustment on the back
of the mic stand to adjust the output level. The mic
terminates to a standard 8 pin Kenwood mic plug. It requires
voltage from the Kenwood transceiver to operate.

This one works fine, sounds good, has a new wind screen,
and is in its original box. With paper work for $75.

Heil GM-5 "Goldline" Professional Microphone:

The "Gold Standard" Studio Microphone for Amateur Radio

The GM Series of microphones is a unique, innovative microphone renowned for its gorgeous audio production. It's crystal clear response made it an instant best-seller, and it is the microphone of choice in thousands of Ham shacks around the world today.

The GM includes the Heil-exclusive "Light Touch" PTT switch, and is encased in a beautifully-finished high-gloss black lacquer enclosure. The GM is fitted with a 4-pin XLR connector compatible with the Heil CC-1 Series of adapter cables.

This GM-5 version is equipped with the new full-range mic element and the famous HC-5 element.

This one works fine and looks like new. No defects of any sort. These are $160 from Heil Sound. Get this one for only $95.

Cables for Heil (and other) Microphones:

Heil CC-1 XLR 4
3 pin XLR Male to 4 pin XLR Female $25

3 pin XLR to stripped and tinned ends
About 10 feet of quality rubber covered mic cable with a 3 pin XLR connector on one end, and nothing on the other end. Ideal to add your own connector. Can be used with the CC-1 XLR-4 above. $20

Heil round 8 pin connector to 8 pin modular connector for Icom
Not positive of the number, but it might be HSTA-IM or HSTA-706
$15

Microphone Stands:

Regular round desk stand
Round 6 inch diameter heavy black base, with a 3 inch chrome tube coming up from the middle. Standard 5/8 inch threaded. $15

Rectangular desk stand
Approx 4 by 5 inch heavy black base, with a 2.5 inch chrome tube from the center. Standard 5/8 inch threaded. $15

Gooseneck Extension
Male connection on one end and female on the other, so it can be used as an extension. Standard 5/8 inch threaded. 7 inches long. $10

Solid 12 inch
Male connection on both ends. Solid chrome plated threaded tubing, with a small hole so that a mic cable can be brought out of the center of the tube. Standard 5/8 inch threads. 12 inches long. $10

Triangle Flange
This is a trangle shaped flange that will mount to a desk, board,
or other flat object. It is about 2 1/2 by 2 inches, chrome plated,
with mounting hardware. Standard 5/8 inch threads. $8

Timewave DSP-599zx DSP Processor / Audio Filter :

Calling it an audio filter does not tell the whole story.
It is really much more. It represents the latest generation
of Digital Signal Processing (DSP) audio filtering, incorporating
the newest high speed CPU. The LCD display, push buttons and
Visible Memory let you see the exact settings of the filters.
The DSP-599zx works in all modes. It is a dream for the non-voice
modes, as well as voice and CW modes. Data filters supported
in the filter are RTTY, Amtor, PACTOR, G-TOR, HF Packet, SSTV,
WeFax, SITOR and Clover. It needs 13 V DC at 1 amp.

This particular unit works fine and looks very nice. A wall
wort power supply and paper work are included for $300 plus
shipping from Florida.

Waters "Universal Hybrid Coupler II" Model 3002:

Most of us would likely call this a phone patch, but it
is really much more than that. It does that, but also
will interface with a tape recorder, and permit recording
and play back of on-the-air QSOs. Nothing says that the
tape recorder input must be used that way. Connect the
sound card in your computer in this position, and you
have a very effective interface.

Model 3002 includes a speech compressor powered by a 9
volt battery. The front panel is finished on both
sides, with one side having it set in a horizontal
position, and the other in a vertical position.

This was a "top of the line" unit years ago. One only
found them with top stations such as Collins.

This particular unit is in really great condition.

With paper work for $100.

Heath HD-15 digital interface / phone patch

This is the unit with the VU meter on the left and 3 knobs
that match the SB series to the middle and right. Low or
high Z output to the transmitter. It can also be used as
an interface for PSK31, and other digital modes that use
a sound card. The meter makes it great for setting levels.

One is in excellent condition. Cosmetically, I can not
find a scratch on it. Everything on it is original.
Paper work included for $25.

I have another available, but it shows some minor wear.
With paper work for $22.

Code Practice Oscillator:

MFJ 557 code practice oscillator with key

This is a traditional code practice oscillator, with adjustable
volume and tone. It includes a straight key on a nice base. It
operates from a 9 volt battery or from a wall wort (not included).

This one works fine and looks fine also.

With paper work for $25.

CW Key:

Nye Viking Speedex 310-001 "Oval Base" Key
Nice action, with nickel hardware. This originally had a black
base, but someone painted the base to look like it is brass.
Nye sells these for $58. This one is only $35.

Cables for CW keys and keyers:

Cable for straight key
About 3 feet long, with a mono 1/4 inch phone plug on it,
as is used with a straight key. $5
As above, but 1/8 inch (3.5 mm) plug. $5

Cable for paddles
About 3 feet long, and with a 1/4 inch stereo connector
on the end, like used by most rigs. $8
As above, but 1/8 inch (3.5 mm) plug $8

MFJ 1701 Coaxial Antenna Six Position Switch:

The MFJ 1701 is a six position antenna switch. You can
select 1 of 6 antennas. Unused terminals are grounded.

It is in a rectangular box, and has seven SO-239 connectors
out the back. It is rated for 2000 W PEP, 1000 W CW,
50 - 75 Ohm loads.

This one works 100% and looks very nice.

With paper work for $40.

Low Pass TVI Filters:

A low pass TVI filter is added to the transmitter to reduce
harmonic interference. All have SO-239 connectors, and include
paper work.

Drake TV-3300-LP
This is a modern low pass filter has been optimized to have

more attenuation in the 40 MHz region, where many TVs have
their IF. It is good for 1000 Watts "average" according to
the manual, and has over 80 db attenuation at 41 MHz.
This one looks great. $30

B & W FL-10/1500
This filter cuts off just above 10 meters, and handles 1500
Watts. It is the latest model B&W filter.
In very nice condition, it looks very close to new. $40.

Dual Meter SWR Bridges:

Both of these feature two separate meters -- one for reading
forward power and another for reading SWR. This permits one
to easily monitor both the power going out, and the SWR on
the antenna. They were made in Japan, and labeled with various
names, including Swan, Siltronix, and Quement. Both have SO-239
connectors on each end, and work fine.

Both will work on HF, and VHF, covering 3 to 150 MHz, so are
ideal for the new rigs that include 6 and 2 meters.

Quement SWB-2
This meter works fine and looks great.
With paper work for $40.

Siltronix SWR-2
This meter functions fine, but the meter lens of the meter that
reads SWR has a crack on the very right edge of it. It is on
the edge, and not in the part where one actually reads the
meter. It is strictly cosmetic. $25

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@arrl.net
Voice Phone (352) 732-8400

828. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2011-03-17 21:40:15 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 828

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /Technical/URM-25D Lankford Notes.PDF
Uploaded by : geoff8122 <km1h@...>
Description : URM-25D Dallas Lankford notes

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/Technical/URM-25D%20Lankford%20Notes.PDF

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

geoff8122 <km1h@...>

829. Vintage ARRL Publications FS

Yahoo group: glowbugradio
Date: 2011-03-26 22:13:38 UTC
From: Ken Simpson, W8EK
Topic: 829 Message: 829

Vintage ARRL Publications For Sale:

All of these are in the smaller 6.5 x 9.5 inch format.
Most have some very nice vintage ads in them.
All are in close to new condition, unless stated otherwise.

ARRL Handbooks

1948 - 25th edition - wear and slight tear at spine.
This one has 144 pages of advertisements in the back, all
of good vintage (1948) gear. It is worth having just for
the ads! $25

1950 - 27th edition - This one shows its age!
But it has 112 pages of ads in the back. $14

1956 - 33rd edition - Nice condition
It has 144 pages of ads, and full tube charts. $25

ARRL Antenna Book - 1955 - 7th edition
The cover is worn on this one, but the inside is fine.
Only about 26 pages of ads in this one. $15

ARRL Radio Amateur's VHF Manual
1966, 11th edition, $12

ARRL Single Sideband for the Radio Amateur
1970, Fifth edition, $12

ARRL Specialized Communications Techniques
1975, First Edition, $15

ARRL How to Become a Radio Amateur,
1970, 26th edition, $15

ARRL Operating an Amateur Radio Station - $3 each
1976, 57th edition
1978, 58th edition,
1983, 61st edition

ARRL Public Service Communications - $3 each
1985, Ninth edition
no edition number listed, but appears to be fairly new

ARRL "FCC Rulebook"
1986, Seventh edition, $3
1988, Eighth Edition, $4
As above, but "Newly Revised to include Codeless Technician" $6

2004, 13th edition $10

The following ARRL Books are in 8 1/2 x 11 inch format:

ARRL Learning to Work with Integrated Circuits, First edition $10

ARRL Radio Frequency Interference, First Edition, $10

ARRL Amateur Radio Field Resources Directory
First edition, $7

ARRL "Radio Amateurs Operating Manual",
1985, 2nd edition, $8

Books about Digital Communications:

CQ: The Packet Radio Operators Manual
By Buck Rogers, K4ABT, Close to new condition, $14

Your Packet Companion by Steve Ford, WB8IMY
ARRL, 1995, First Edition, $5

The Radio Amateur's Digital Communications Handbook
By KR3T, J Mayo, Published by Tab, Hardback Book,
Like New, 208 pages, 1992, $12

The Packet Radio Operators Manual published by CQ
By Buck Rogers, K4ABT, 1995, Close to new condition, $12

Tab Books:
"Oscar: The Ham Radio Satellites"
by recent silent key Dave Ingram, K4TWJ
First Edition, Hardback, Like new, $14

ARRL License Manuals - $3 each:

1977, 76th edition, All classes
1979, 77th edition, All classes
1984, 79th edition, All classes
1984, 80th edition, All classes

Technician Class
1989, First Edition
1993, Second Edition

General Class
1989, First Edition
1997, Second Edition

Advanced Class
1985, First Edition
1990, Third Edition
1996, Fourth Edition

Extra Class, 1988, Third edition

Electronics Text Books:

The following books are often used as text books at the two year community and technical college level.

Experiments in Electrical Circuit Analysis, Schuler
About 200 pages, including programs. $50

Study Guide for Electronics Fundamentals, McIntyre
Paper back with about 200 pages of study material w/answers. $15

Understanding Electricity and Electronics Student Lab Guide by Science Electronics, 135 page paper back $12

Computers by Long and Long
Large book with about 750 pages. Answers to problems included. Like new. $20

A Guide to Managing and Maintaining Your PC by Andrews
Sometimes used for A+ computer certification. About 750 pages, plus CD. Like new. $30

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

830. Western Union Desk Fax

Yahoo group: glowbugradio
Date: 2011-03-30 23:35:24 UTC
From: Jim Isbell, W5JAI
Topic: 830 Message: 830

I have four of them. They will go in the trash on Saturday. I have removed the tubes. They have lots of relays, transformers and motors. If you want they can be made into weather fax receivers. They are free for pickup. They are heavy, about 35 pounds each. No, I wont ship them!!!

Jim Isbell
TheFreeRepublic.Blogstream.com
www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
www.youtube.com/watch?v=dyjJ3Fw0nSQ
www.facebook.com/pages/Trinity-Base-in-Defense-of-our-Republic/113905168677365?v=wall
www.facebook.com/profile.php?id=100000010609777
www.AmericanMajority.org
www.redstate.com
TheFreeRepublic2.blogspot.com

831. Re: [glowbugradio] Western Union Desk Fax

Yahoo group: glowbugradio
Date: 2011-03-31 00:03:02 UTC
From: Jim
Topic: 830 Message: 831

Hmmmm, I'll be at Belton on Saturday morning ... how 'bout you?

Jim N6OTQ

>
>From: "Jim Isbell, W5JAI" <jim.isbell@...>
>To: List for Glowbugs <glowbugradio@yahoogroups.com>
>Sent: Wed, March 30, 2011 6:35:24 PM
>Subject: [glowbugradio] Western Union Desk Fax
>
>
>
>I have four of them. They will go in the trash on Saturday. I have removed the
>tubes. They have lots of relays, transformers and motors. If you want they can
>be made into weather fax receivers. They are free for pickup. They are heavy,
>about 35 pounds each. No, I wont ship them!!!
>
>Jim Isbell
>TheFreeRepublic.Blogstream.com
>www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
>www.youtube.com/watch?v=dyjJ3Fw0nSQ
>www.facebook.com/pages/Trinity-Base-in-Defense-of-our-Republic/113905168677365?v=wall
>
>www.facebook.com/profile.php?id=100000010609777
>www.AmericanMajority.org
>www.redstate.com
>TheFreeRepublic2.blogspot.com
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832. Re: [glowbugradio] Western Union Desk Fax

Yahoo group: glowbugradio
Date: 2011-03-31 03:30:08 UTC
From: Jim Isbell, W5JAI
Topic: 830 Message: 832

Nope, I will be in Ingleside on Saturday. I used to go to belton, but
people got too proud of their stuff.

Jim Isbell
TheFreeRepublic.Blogstream.com
www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
www.youtube.com/watch?v=dyjJ3Fw0nSQ
www.facebook.com/pages/Trinity-Base-in-Defense-of-our-Republic/113905168677365?v=wall
www.facebook.com/profile.php?id=100000010609777
www.AmericanMajority.org
www.redstate.com
TheFreeRepublic2.blogspot.com

On Wed, Mar 30, 2011 at 7:03 PM, Jim <n6otq@...> wrote:

>
>
> Hmmmm, I'll be at Belton on Saturday morning ... how 'bout you?
>
>
> Jim N6OTQ
>
>
> *From:* "Jim Isbell, W5JAI" <jim.isbell@...>
> *To:* List for Glowbugs <glowbugradio@yahoogroups.com>
> *Sent:* Wed, March 30, 2011 6:35:24 PM
> *Subject:* [glowbugradio] Western Union Desk Fax
>
>
>
> I have four of them. They will go in the trash on Saturday. I have
> removed the tubes. They have lots of relays, transformers and motors. If
> you want they can be made into weather fax receivers. They are free for
> pickup. They are heavy, about 35 pounds each. No, I wont ship them!!!
>
> Jim Isbell
> TheFreeRepublic.Blogstream.com
> www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
> www.youtube.com/watch?v=dyjJ3Fw0nSQ
>
> www.facebook.com/pages/Trinity-Base-in-Defense-of-our-Republic/113905168677365?v=wall
> www.facebook.com/profile.php?id=100000010609777
> www.AmericanMajority.org
> www.redstate.com
> TheFreeRepublic2.blogspot.com
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833. Product detectors.

Yahoo group: glowbugradio
Date: 2011-04-02 19:58:06 UTC
From: Kenneth G. Gordon
Topic: 833 Message: 833

Has anyone here, besides myself, ever used a single-triode product detector?

The one I am thinking of inserts the IF at the grid, the BFO at the cathode, and takes the audio off the plate through a RC pi-filter. Also, the grid-resistor is low, in this case about 470 ohms.

If so, what has been your experiences with it?

Ken W7EKB

834. Re: [glowbugradio] Single-triode Product detector.

Yahoo group: glowbugradio
Date: 2011-04-02 20:14:40 UTC
From: Kenneth G. Gordon
Topic: 833 Message: 834

I forgot to mention: there is an RF choke between the cathode, and its bypassed bias resistor, and the BFO injection is to the "top" (cathode-side) of the RF choke.

I have never seen this particular circuit shown in any handbook or article.

One of the reasons I ask about this is that it appears to me that the values of the RF choke, plate filter, and various bypass caps is determined by the frequencies of the various injected signals.

I am wondering if I can adjust this circuit by simply calculating what the impedances are in the original circuit, and figuring out equivalent impedances at the frequency I intend to use it?

The circuit was used for years in the various Heathkit SB/HW all-band transceivers and always worked very well there, in my opinion.

In those rigs, the IF input was at 3395 Khz, as was the BFO.

The advantage to me is that it requires only ONE triode, instead of two or three, and therefore can be retrofit in many receivers which use a simple diode-detector without having to make major changes.

I used the circuit at the time in a BC-779 with IF and BFO near 455 Khz. It made an amazing difference in that receiver.

As I remember it, I increased the values of the RF choke and the bypass caps by a factor of 6, but only because I thought I should. I.e., the operating frequency was around 6 times lower than the original design, therefore, make everything bigger by a factor of 6...in round figures... to use it at 455 Khz. I didn't know much at that point in my life.

One advantage to the circuit I discovered many years ago was that with the BFO turned off, it acted like an "infinite-impedance" detector and demodulated AM just fine.

In retrospect, it probably isn't really a "product" detector, but it demodulates SSB and CW just fine, thank you.

Thoughts?

Ken W7EKB

835. Re: [glowbugradio] Single-triode Product detector.

Yahoo group: glowbugradio
Date: 2011-04-02 23:06:50 UTC
From: Carl
Topic: 833 Message: 835

If it demodulates AM its not a product detector.I'll have to look at that circuit some time if you give me a model reference to look up.

Right now Ive got amplifiers spread over 2 1/2 benches, in progress or waiting for parts.

AND Im in a very bad mood since the Red Sox lost their season opener yesterday (-;

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <GlowbugRadio@yahoogroups.com>
Sent: Saturday, April 02, 2011 4:14 PM
Subject: Re: [glowbugradio] Single-triode Product detector.

>I forgot to mention: there is an RF choke between the cathode, and its
> bypassed bias resistor, and the BFO injection is to the "top"
> (cathode-side) of
> the RF choke.
>
> I have never seen this particular circuit shown in any handbook or
> article.
>
> One of the reasons I ask about this is that it appears to me that the
> values of
> the RF choke, plate filter, and various bypass caps is determined by the
> frequencies of the various injected signals.
>
> I am wondering if I can adjust this circuit by simply calculating what the
> impedances are in the original circuit, and figuring out equivalent
> impedances at the frequency I intend to use it?
>
> The circuit was used for years in the various Heathkit SB/HW all-band
> transceivers and always worked very well there, in my opinion.
>
> In those rigs, the IF input was at 3395 Khz, as was the BFO.
>
> The advantage to me is that it requires only ONE triode, instead of two or
> three, and therefore can be retrofit in many receivers which use a simple
> diode-detector without having to make major changes.
>
> I used the circuit at the time in a BC-779 with IF and BFO near 455 Khz.
> It
> made an amazing difference in that receiver.

>
> As I remember it, I increased the values of the RF choke and the bypass
> caps by a factor of 6, but only because I thought I should. I.e., the
> operating
> frequency was around 6 times lower than the original design, therefore,
> make everything bigger by a factor of 6...in round figures... to use it at
> 455
> Khz. I didn't know much at that point in my life.
>
> One advantage to the circuit I discovered many years ago was that with the
> BFO turned off, it acted like an "infinite-impedance" detector and
> demodulated AM just fine.
>
> In retrospect, it probably isn't really a "product" detector, but it
> demodulates
> SSB and CW just fine, thank you.
>
> Thoughts?
>
> Ken W7EKB
>

836. Re: [glowbugradio] Product detectors.

Yahoo group: glowbugradio
Date: 2011-04-03 00:40:15 UTC
From: Bob Kulow
Topic: 833 Message: 836

I did some time back. The circuit I used was copied from the NC-190 and
is probably similar to yours.

It worked well in an R-388. It liked a lower level if signal than the
388 gave it so I had to keep the RF gain down slightly - never got
around to padding it down a bit.

73
Bob WA2UEH
> Has anyone here, besides myself, ever used a single-triode product
> detector?
>

837. Re: [glowbugradio] Product detectors.

Yahoo group: glowbugradio
Date: 2011-04-03 01:12:46 UTC
From: Carl
Topic: 833 Message: 837

I knew I saw that circuit someplace and I was working my way up from the NC-109 when your post appeared. National seemed to have no coordination for several years as similar models used different circuits. The NC-270 is one of the weirdest but it works well.

Carl
KM1H

----- Original Message -----
From: "Bob Kulow" <edison1946@...>
To: <glowbugradio@yahoogroups.com>
Cc: "Kenneth G. Gordon" <kgordon2006@...>
Sent: Saturday, April 02, 2011 8:40 PM
Subject: Re: [glowbugradio] Product detectors.

>I did some time back. The circuit I used was copied from the NC-190 and
> is probably similar to yours.
>
> It worked well in an R-388. It liked a lower level if signal than the
> 388 gave it so I had to keep the RF gain down slightly - never got
> around to padding it down a bit.
>
> 73
> Bob WA2UEH
>> Has anyone here, besides myself, ever used a single-triode product
>> detector?
>>
>
>

838. WTD: Early HRO coils

Yahoo group: glowbugradio
Date: 2011-04-03 17:21:55 UTC
From: Carl
Topic: 838 Message: 838

Im looking for any coils with the alligator style finished panel. Working or not or just the panels as I'll be glad to swap for either later style.

Carl
KM1H

839. Re: Browning Labs

Yahoo group: glowbugradio
Date: 2011-04-03 20:11:00 UTC
From: Byron Tatum
Topic: 839 Message: 839

Hello-

Brought home a Browning Labs WWV receiver model RH-10 from recent hamfest. Uses metal octal tubes in 1-RF / 2-IF stages it appears. Covers 5 and 10 MC WWV. I have searched the net for a manual, does anyone know a source?

I have cleaned this set up and it is just too pretty to butcher up. Has a nice copper clad chassis. Tube sockets are marked with metal labels. Very beautifully constructed set and is a pretty set with the geen metal flake paint and aluminum knobs.

Have it working as of now and will re-cap it next. Thought I would try to find alignment info, etc.

Thanks, Byron WA5THJ

840. Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 00:22:53 UTC
From: Kenneth G. Gordon
Topic: 840 Message: 840

I have checked every schematic diagram for every SB/HW all-bander, from the HW-100 through the SB-102 and they are ALL identical, as are those in the various manuals under Circuit Description.

To reiterate:

Triode,
plate fed through 100K resistor from B+,
470 ohm resistor from grid to ground,
IF fed directly to the grid through a cap,
300 uH RF choke at cathode,
to a 4700 ohm resistor,
to ground.
4700 ohm resistor bypassed to ground with a 0.2 mfd cap.
BFO fed directly to the cathode through a 12 pfd cap (which was subsequently changed to a 100 pfd cap to provide sufficient BFO injection at high signal levels).
IF filter at plate consisting of two 500 pfd caps to ground on either side of a 47K resistor (pi filter) directly from the plate through a 0.001 mfd cap to the grid of the audio tube.

Demodulates SSB and CW just fine, thank you, and with the BFO off, it demodulates AM just fine too, thank you.

I have seen a different single-triode "product detector" (not this circuit) that when the BFO is off, it is actually a diode-detector for AM.

I really don't see how either circuit can be properly called a "product detector", but whatever it is called, and however it might work, it works, and works very well too.

I have not been able to find a schematic of the Collins KWM-2 yet to check to see what its product detector looks like. However, I do know that Collins re-designed that product detector several times before they were satisifed with it.

Ken W7EKB

841. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 00:31:36 UTC
From: Bob Macklin
Topic: 840 Message: 841

Ken,

What is different is the VFO.

The SBs use the Heath LMO that is 5 turns stop to stop

The HWs use the VFO with some combination of Jackson drives.

The LMOs were made by TRW(?). The VFOs were assembled by the buyer.

And the SB-102 uses a different tuve in the RF amplifer.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Kenneth G. Gordon
To: GlowbugRadio@yahoogroups.com
Sent: Sunday, April 03, 2011 5:22 PM
Subject: [glowbugradio] Heathkit SB/HW all-bander product detector.

I have checked every schematic diagram for every SB/HW all-
bander, from the HW-100 through the SB-102 and they are ALL
identical, as are those in the various manuals under Circuit
Description.

To reiterate:

Triode,
plate fed through 100K resistor from B+,
470 ohm resistor from grid to ground,
IF fed directly to the grid through a cap,
300 uH RF choke at cathode,
to a 4700 ohm resistor,
to ground.
4700 ohm resistor bypassed to ground with a 0.2 mfd cap.
BFO fed directly to the cathode through a 12 pfd cap (which was
subsequently changed to a 100 pfd cap to provide sufficient BFO
injection at high signal levels).
IF filter at plate consisting of two 500 pfd caps to ground on either
side of a 47K resistor (pi filter) directly from the plate through a
0.001 mfd cap to the grid of the audio tube.

Demodulates SSB and CW just fine, thank you, and with the BFO
off, it demodulates AM just fine too, thank you.

I have seen a different single-triode "product detector" (not this circuit) that when the BFO is off, it is actually a diode-detector for AM.

I really don't see how either circuit can be properly called a "product detector", but whatever it is called, and however it might work, it works, and works very well too.

I have not been able to find a schematic of the Collins KWM-2 yet to check to see what its product detector looks like. However, I do know that Collins re-designed that product detector several times before they were satisifed with it.

Ken W7EKB

842. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 01:15:31 UTC
From: Carl
Topic: 840 Message: 842

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <GlowbugRadio@yahoogroups.com>
Sent: Sunday, April 03, 2011 8:22 PM
Subject: [glowbugradio] Heathkit SB/HW all-bander product detector.

>I have checked every schematic diagram for every SB/HW all-
> bander, from the HW-100 through the SB-102 and they are ALL
> identical, as are those in the various manuals under Circuit
> Description.
>
> To reiterate:
>
> Triode,
> plate fed through 100K resistor from B+,
> 470 ohm resistor from grid to ground,
> IF fed directly to the grid through a cap,
> 300 uH RF choke at cathode,
> to a 4700 ohm resistor,
> to ground.
> 4700 ohm resistor bypassed to ground with a 0.2 mfd cap.
> BFO fed directly to the cathode through a 12 pfd cap (which was
> subsequently changed to a 100 pfd cap to provide sufficient BFO
> injection at high signal levels).
> IF filter at plate consisting of two 500 pfd caps to ground on either
> side of a 47K resistor (pi filter) directly from the plate through a
> 0.001 mfd cap to the grid of the audio tube.
>
> Demodulates SSB and CW just fine, thank you, and with the BFO
> off, it demodulates AM just fine too, thank you.
>
> I have seen a different single-triode "product detector" (not this
> circuit) that when the BFO is off, it is actually a diode-detector for
> AM.
>
> I really don't see how either circuit can be properly called a
> "product detector", but whatever it is called, and however it might
> work, it works, and works very well too.
>
> I have not been able to find a schematic of the Collins KWM-2 yet
> to check to see what its product detector looks like. However, I do
> know that Collins re-designed that product detector several times
> before they were satisifed with it.
>
> Ken W7EKB

You didnt look very hard (-;

http://www.collinsradio.com/

843. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 01:20:06 UTC
From: Carl
Topic: 840 Message: 843

What does that have to do with the product detector?

Im in a worse mood than yesterday, the Red Sox have lost 3 in a
row,,,,grrrrrrr

Carl

----- Original Message -----
From: "Bob Macklin" <macklinbob@...>
To: <glowbugradio@yahoogroups.com>
Sent: Sunday, April 03, 2011 8:31 PM
Subject: Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Ken,

What is different is the VFO.

The SBs use the Heath LMO that is 5 turns stop to stop

The HWs use the VFO with some combination of Jackson drives.

The LMOs were made by TRW(?). The VFOs were assembled by the buyer.

And the SB-102 uses a different tuve in the RF amplifer.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Kenneth G. Gordon
To: GlowbugRadio@yahoogroups.com
Sent: Sunday, April 03, 2011 5:22 PM
Subject: [glowbugradio] Heathkit SB/HW all-bander product detector.

I have checked every schematic diagram for every SB/HW all-
bander, from the HW-100 through the SB-102 and they are ALL
identical, as are those in the various manuals under Circuit
Description.

To reiterate:

Triode,
plate fed through 100K resistor from B+,
470 ohm resistor from grid to ground,
IF fed directly to the grid through a cap,
300 uH RF choke at cathode,

to a 4700 ohm resistor,
to ground.
4700 ohm resistor bypassed to ground with a 0.2 mfd cap.
BFO fed directly to the cathode through a 12 pfd cap (which was
subsequently changed to a 100 pfd cap to provide sufficient BFO
injection at high signal levels).
IF filter at plate consisting of two 500 pfd caps to ground on either
side of a 47K resistor (pi filter) directly from the plate through a
0.001 mfd cap to the grid of the audio tube.

Demodulates SSB and CW just fine, thank you, and with the BFO
off, it demodulates AM just fine too, thank you.

I have seen a different single-triode "product detector" (not this
circuit) that when the BFO is off, it is actually a diode-detector for
AM.

I really don't see how either circuit can be properly called a
"product detector", but whatever it is called, and however it might
work, it works, and works very well too.

I have not been able to find a schematic of the Collins KWM-2 yet
to check to see what its product detector looks like. However, I do
know that Collins re-designed that product detector several times
before they were satisifed with it.

Ken W7EKB

844. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 15:45:05 UTC
From: Kenneth G. Gordon
Topic: 840 Message: 844

On 3 Apr 2011 at 21:15, Carl wrote:

> You didnt look very hard (-;
>
> http://www.collinsradio.com/

Oh, yes I did. I downloaded every single KMW-2/2A manual I could find, including those. NONE contains a schematic of the rig, or even of just the complete product detector. What little of that I did find makes it appear that their product detector is very simple, and very much like the one in the Heathkit SB-300/301 receiver.

I think the complete schematic for the KWM-2/2A is on a very large 44" fold-out, and as far as I know, no one has made that available, even in pieces.

I'll keep looking...

Ken W7EKB

845. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 15:46:21 UTC
From: Kenneth G. Gordon
Topic: 840 Message: 845

On 3 Apr 2011 at 17:31, Bob Macklin wrote:

>
>
> Ken,
>
> What is different is the VFO.

Bob:

I was talking about the product detectors, not the VFOs. Thanks.

Ken W7EKB

846. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 16:13:57 UTC
From: Paul Kraemer
Topic: 840 Message: 846

Ken
I recently downloaded the complete KWM-2/A manual, including schematics from Collins website and the schematics are all there in multiple pages that when put together fold out per the original manual. The finished pages are approx 11" tall by length as required. The published version is I believe as the book was printed. The radio is in sections I have never seen the entire radio on one large sheet. Might be nice though if one was available
Paul K0UYA
----- Original Message -----
From: Kenneth G. Gordon
To: Carl ; glowbugradio@yahoogroups.com
Sent: Monday, April 04, 2011 10:45 AM
Subject: Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

On 3 Apr 2011 at 21:15, Carl wrote:

> You didnt look very hard (-;
>
> http://www.collinsradio.com/

Oh, yes I did. I downloaded every single KMW-2/2A manual I could find, including those. NONE contains a schematic of the rig, or even of just the complete product detector. What little of that I did find makes it appear that their product detector is very simple, and very much like the one in the Heathkit SB-300/301 receiver.

I think the complete schematic for the KWM-2/2A is on a very large 44" fold-out, and as far as I know, no one has made that available, even in pieces.

I'll keep looking...

Ken W7EKB

847. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 16:27:38 UTC
From: Carl
Topic: 840 Message: 847

OH!

So whats the purpose of a manual list without a schematic? Oh yeah that is
a Collins site (-;

Have you asked on the Collins reflector on QTH.com?

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Carl" <km1h@...>; <glowbugradio@yahoogroups.com>
Sent: Monday, April 04, 2011 11:45 AM
Subject: Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

> On 3 Apr 2011 at 21:15, Carl wrote:
>
>> You didnt look very hard (-;
>>
>> http://www.collinsradio.com/
>
> Oh, yes I did. I downloaded every single KMW-2/2A manual I could find,
> including those. NONE contains a schematic of the rig, or even of just the
> complete product detector. What little of that I did find makes it appear
> that
> their product detector is very simple, and very much like the one in the
> Heathkit SB-300/301 receiver.
>
> I think the complete schematic for the KWM-2/2A is on a very large 44"
> fold-
> out, and as far as I know, no one has made that available, even in pieces.
>
> I'll keep looking...
>
> Ken W7EKB

848. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-04 17:47:07 UTC
From: Kenneth G. Gordon
Topic: 840 Message: 848

On 4 Apr 2011 at 11:13, Paul Kraemer wrote:

>
>
> Ken
> I recently downloaded the complete KWM-2/A manual, including
> schematics from Collins website and the schematics are all there in
> multiple pages that when put together fold out per the original
> manual.

That would be wonderful to have. I have not found that yet. Could you please give me a URL where I might find those?

I have been to just about every Collins site there is and have downloaded the complete 8-section manual, but none contain Figure 7.3, the schematic, even in multipart form.

> The finished pages are approx 11" tall by length as required.
> The published version is I believe as the book was printed. The radio
> is in sections I have never seen the entire radio on one large sheet.

I don't need the one large sheet: it is 44" long. I wouldn't have room for it anyway.

Thanks, Paul.

Ken W7EKB

849. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-05 03:48:50 UTC
From: Rod Hogg
Topic: 840 Message: 849

Ken,

My TM 11-5820-529-15, Manual for RT-718/FRC-93 (Collins Model KWM-2 and 2A) has a about a 44" fold out schematic for entire radio. The product detector is triode 1/2 of a 6BN8, IF fed into grid and BFO coupled to cathode, the other 1/2 is dual diode is used as AVC Rectifier.

I could scan whatever portion you need if you do not want whole thing

Rod
KØEQH

--- On Mon, 4/4/11, Kenneth G. Gordon <kgordon2006@...> wrote:

From: Kenneth G. Gordon <kgordon2006@frontier.com>
Subject: Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Oh, yes I did. I downloaded every single KMW-2/2A manual I could find,
including those. NONE contains a schematic of the rig, or even of just the
complete product detector. What little of that I did find makes it appear that
their product detector is very simple, and very much like the one in the
Heathkit SB-300/301 receiver.

I think the complete schematic for the KWM-2/2A is on a very large 44" fold-
out, and as far as I know, no one has made that available, even in pieces.

I'll keep looking...

Ken W7EKB

850. Re: [glowbugradio] Heathkit SB/HW all-bander product detector.

Yahoo group: glowbugradio
Date: 2011-04-05 16:19:40 UTC
From: Kenneth G. Gordon
Topic: 840 Message: 850

On 4 Apr 2011 at 20:48, Rod Hogg wrote:

>
>
> Ken,
>
> My TM 11-5820-529-15, Manual for RT-718/FRC-93 (Collins Model KWM-2
> and 2A) has a about a 44" fold out schematic for entire radio. The
> product detector is triode 1/2 of a 6BN8,IF fed into grid and BFO
> coupled to cathode, the other 1/2 isdual diode is used as AVC
> Rectifier.
>
> I could scan whatever portion you need if you do not want whole thing

Thanks, Rod, but some kind soul already sent me the entire schematic in pieces.

The product detector is unusually simple, but appears to work well.

I'll comment on the list.

Again, thanks for the offer. I really appreciate it.

Ken W7EKB

851. KWM-2/2A schematic received

Yahoo group: glowbugradio
Date: 2011-04-05 16:50:04 UTC
From: Kenneth G. Gordon
Topic: 851 Message: 851

A very good soul here sent me a set of scans of the KWM-2/2A schematic which I appreciate very much.

So I no longer need that.

Thank you all for your help.

The product detector is a very simple triode detector. I was amazed at its simplicity.

Ken W7EKB

852. Triode "product detectors"

Yahoo group: glowbugradio
Date: 2011-04-05 18:51:58 UTC
From: Kenneth G. Gordon
Topic: 852 Message: 852

I found a kinda weird single-triode product detector that was designed by someone in Germany, apparently.

It supposedly acts like a real product detector when the BFO is turned on, but reverts to being a simple diode detector with the BFO off, no other switching being necessary.

It is also very simple...in fact, it looks very much like the one used in the KWM-2/2A. The Collins version requires only two external resistors, one between the cathode and ground, and one between the grid and ground, and signal inputs.

That one used in the National NC-190 also looks very much like it...as does the one in the HW-16...and the SB-300/301...two external resistors and signal inputs.

However, I suspect that the fact that all versions are fed B+ to the plate through high-value resistors has something to do with the way they work.

For such a simple-appearing circuit, its operation may be more complex than first appears.

Ken Gordon W7EKB

853. A superior AGC system

Yahoo group: glowbugradio
Date: 2011-04-05 20:16:58 UTC
From: Kenneth G. Gordon
Topic: 853 Message: 853

If there is anyone contemplating upgrading the AGC system in any of your receivers, you might look at the following article in Electric Radio Magazine:

"High Performance AGC for the R-390A" by Hatch in the September, 2006 Issue, number 208, starting on page 30.

Almost instantaneous attack, no overshoot, etc. Looked pretty good to me!

Ken W7EKB

854. RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 19:44:35 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 854

Might anyone know where one can still buy REAL RF chokes like the old 4 pie 2.5 mH jobs?

Those available from Mouser and Digikey are ferrite-core based and DO NOT, in my experience, work in many of the older circuits, although I am not sure why that is.

Ken Gordon W7EKB

855. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 20:34:25 UTC
From: Theosleaper
Topic: 854 Message: 855

2.5 mh is the same as 2500 uh. Divided by four equals 625 uh for each section. Inductors have what is called "S.R.F." or "Self Resonant Frequency". The capacitance between the windings, working with the inductance, creates a resonant circuit. Above the "S.R.F." the inductor looks like a capacitor.
Using four 625 uh chokes in series instead of one modern 2.5 mh inductor might work out since the "S.R.F." of each inductor will be much higher than the modern 2.5 mh choke.
Rick, K1WYH

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <Glowbugradio@yahoogroups.com>
Sent: Thursday, April 07, 2011 3:44 PM
Subject: [glowbugradio] RF chokes.

> Might anyone know where one can still buy REAL RF chokes like the old 4
> pie 2.5 mH jobs?
>
> Those available from Mouser and Digikey are ferrite-core based and DO
> NOT, in my experience, work in many of the older circuits, although I am
> not
> sure why that is.
>
> Ken Gordon W7EKB
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>
>
> =======
> Email scanned by PC Tools - No viruses or spyware found.
> (Email Guard: 7.0.0.21, Virus/Spyware Database: 6.17260)
> http://www.pctools.com/
> =======

856. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 20:43:40 UTC
From: Bob Macklin
Topic: 854 Message: 856

Have you tried Surplus Sales of Nebraska?

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, April 07, 2011 12:44 PM
Subject: [glowbugradio] RF chokes.

Might anyone know where one can still buy REAL RF chokes like the old 4 pie 2.5 mH jobs?

Those available from Mouser and Digikey are ferrite-core based and DO NOT, in my experience, work in many of the older circuits, although I am not sure why that is.

Ken Gordon W7EKB

857. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 20:53:51 UTC
From: lee
Topic: 854 Message: 857

I have built up a bunch of small glow bug rigs including an AC-1 clone and a Philmore NT-200 clone using the modern 2.5 mh chokes purchased from Antique Electronic Supply (Hammond manufacture) and have never had a problem with them. This is contrary to what I have read, but in my experience, I have not had problems with them. I do admit most of my projects have been for 160, 80, 40 and 30 meters and not for 20, 15 or 10 meters. Use a grid dip meter and check for “self resonance” on the frequencies you want to use them on. If they don’t “self resonate” there, you should have no problem.
Lee, w0vt

Might anyone know where one can still buy REAL RF chokes like the old 4 pie 2.5 mH jobs?

Those available from Mouser and Digikey are ferrite-core based and DO NOT, in my experience, work in many of the older circuits, although I am not sure why that is.

Ken Gordon W7EKB

858. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 22:08:13 UTC
From: Barrie Smith
Topic: 854 Message: 858

I bought 4 from RF Parts a few months ago.

73, Barrie, W7ALW

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, April 07, 2011 12:44 PM
Subject: [glowbugradio] RF chokes.

Might anyone know where one can still buy REAL RF chokes like the old 4 pie 2.5 mH jobs?

Those available from Mouser and Digikey are ferrite-core based and DO NOT, in my experience, work in many of the older circuits, although I am not sure why that is.

Ken Gordon W7EKB

859. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 21:14:41 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 859

On 7 Apr 2011 at 15:53, lee wrote:

> I have built up a bunch of small glow bug rigs including an AC-1 clone
> and a Philmore NT-200 clone using the modern 2.5 mh chokes purchased
> from Antique Electronic Supply (Hammond manufacture) and have never
> had a problem with them. This is contrary to what I have read, but in
> my experience, I have not had problems with them. I do admit most of
> my projects have been for 160, 80, 40 and 30 meters and not for 20, 15
> or 10 meters. Use a grid dip meter and check for "self resonance"
> on the frequencies you want to use them on. If they don´t "self
> resonate" there, you should have no problem.

Many of the older circuits, and some of the newer ones use a 2.5 mH RF choke, in combination with circuit and tube capacitances, to broadly resonate the plate circuit to one or more ham bands, or even between them.

Modern ferrite-based chokes simply will not work in such a circuit.

I know this from experience.

One such circuit is a popular Handbook rig which uses a 6AG7 as the oscillator and a 6L6 as the amp.

I worked with a fellow for a couple of weeks trying to determine why his version of this circuit would not work. Drive from the 6AG7 was too low to effectively drive the amp. on either 80 or 40.

When he changed only the RF choke to one of the older ones, the rig immediately started perking as it should.

I have seen this same type of activity in other circuits as well.

This does NOT mean they won't work in EVERY circuit: just in those which we have had trouble with.

Ken W7EKB

860. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 21:15:49 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 860

On 7 Apr 2011 at 13:43, Bob Macklin wrote:

>
>
> Have you tried Surplus Sales of Nebraska?

Generally, too expensive.

Thanks, Bob.

Ken W7EKB

861. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 21:21:45 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 861

On 7 Apr 2011 at 16:34, Theosleaper wrote:

> 2.5 mh is the same as 2500 uh. Divided by four equals 625 uh for each
> section. Inductors have what is called "S.R.F." or "Self Resonant
> Frequency". The capacitance between the windings, working with the
> inductance, creates a resonant circuit.

That, I knew.

>Above the "S.R.F." the
> inductor looks like a capacitor.

Ah! I didn't know that. I had wondered why Mouser and Digikey made a big deal out of the SRF. Now I know. Thanks.

> Using four 625 uh chokes in series
> instead of one modern 2.5 mh inductor might work out since the
> "S.R.F." of each inductor will be much higher than the modern 2.5 mh
> choke. Rick, K1WYH

Does anyone know the SRF of the older 2.5 mH chokes?

The reason I can't use 4 of the 625 uH chokes as you suggest is that lack of room prevents it.

I suspect your suggestion would have worked in the circuit in which I originally discovered the problem.

Please see previous e-mail.

And thanks for your suggestions: I had wondered about the SRF, but had no way, at that time, to determine it. The fellow I was attempting to help was 1500 miles away at the time...

Ken Gordon W7EKB

862. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 22:20:10 UTC
From: Carl
Topic: 854 Message: 862

I see them regularly on fleabay often mixed in with a display of other items

Carl
KM1H

----- Original Message -----
From: "Bob Macklin" <macklinbob@...>
To: <glowbugradio@yahoogroups.com>
Sent: Thursday, April 07, 2011 4:43 PM
Subject: Re: [glowbugradio] RF chokes.

Have you tried Surplus Sales of Nebraska?

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, April 07, 2011 12:44 PM
Subject: [glowbugradio] RF chokes.

Might anyone know where one can still buy REAL RF chokes like the old 4
pie 2.5 mH jobs?

Those available from Mouser and Digikey are ferrite-core based and DO
NOT, in my experience, work in many of the older circuits, although I am
not
sure why that is.

Ken Gordon W7EKB

863. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 22:26:55 UTC
From: Carl
Topic: 854 Message: 863

Thats actually an untuned amplifier circuit and the high inductance is chosen to completely block any RF getting back into the PS and other tubes via the B+.

I can only surmise that a ferrite core choke has such a lossy material that it is saturating.

Carl
KM1H

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "lee" <pulsarxp@...>; <glowbugradio@yahoogroups.com>
Sent: Thursday, April 07, 2011 5:14 PM
Subject: Re: [glowbugradio] RF chokes.

On 7 Apr 2011 at 15:53, lee wrote:

> I have built up a bunch of small glow bug rigs including an AC-1 clone
> and a Philmore NT-200 clone using the modern 2.5 mh chokes purchased
> from Antique Electronic Supply (Hammond manufacture) and have never
> had a problem with them. This is contrary to what I have read, but in
> my experience, I have not had problems with them. I do admit most of
> my projects have been for 160, 80, 40 and 30 meters and not for 20, 15
> or 10 meters. Use a grid dip meter and check for "self resonance"
> on the frequencies you want to use them on. If they don?t "self
> resonate" there, you should have no problem.

Many of the older circuits, and some of the newer ones use a 2.5 mH RF choke, in combination with circuit and tube capacitances, to broadly resonate
the plate circuit to one or more ham bands, or even between them.

Modern ferrite-based chokes simply will not work in such a circuit.

I know this from experience.

One such circuit is a popular Handbook rig which uses a 6AG7 as the oscillator and a 6L6 as the amp.

I worked with a fellow for a couple of weeks trying to determine why his version of this circuit would not work. Drive from the 6AG7 was too low to effectively drive the amp. on either 80 or 40.

When he changed only the RF choke to one of the older ones, the rig immediately started perking as it should.

I have seen this same type of activity in other circuits as well.

This does NOT mean they won't work in EVERY circuit: just in those which we have had trouble with.

Ken W7EKB

864. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 22:39:02 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 864

On 7 Apr 2011 at 18:20, Carl wrote:

> I see them regularly on fleabay often mixed in with a display of other
> items

Same here. I am watching an auction with 6 in it right now.

How you been?

Oh! BTW, that fellow in the Bahamas asked me to forward a request he
wrote on to you. I get the distinct feeling that he is not very familiar with
'pooters.

I'll do that shortly.

Ken

865. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-07 22:41:25 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 865

On 7 Apr 2011 at 18:26, Carl wrote:

> Thats actually an untuned amplifier circuit and the high inductance is
> chosen to completely block any RF getting back into the PS and other
> tubes via the B+.

Well, in the case I am talking about, the article on which it was based specifically mentioned that the RF choke and "circuit capacitances" formed a broad-band tuned circuit. I can't remember all the details though.

> I can only surmise that a ferrite core choke has such a lossy material
> that it is saturating.

Probably something like that. In any case, it sure didn't work.

Thanks,

Ken

866. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 00:01:59 UTC
From: cybercat
Topic: 854 Message: 866

Last ones I bought (within last 10 yrs or so) were from Electrosonic...

http://www.e-sonic.com/aboutus/cat/index_A.htm

- Bill H. / va3hwa

Kenneth G. Gordon wrote:

>
>
> On 7 Apr 2011 at 18:26, Carl wrote:
>
> > Thats actually an untuned amplifier circuit and the high inductance is
> > chosen to completely block any RF getting back into the PS and other
> > tubes via the B+.
>
> Well, in the case I am talking about, the article on which it was based
> specifically mentioned that the RF choke and "circuit capacitances"
> formed a
> broad-band tuned circuit. I can't remember all the details though.
>
> > I can only surmise that a ferrite core choke has such a lossy material
> > that it is saturating.
>
> Probably something like that. In any case, it sure didn't work.
>
> Thanks,
>
> Ken
>
>

867. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 00:21:45 UTC
From: Carl
Topic: 854 Message: 867

I would never call QST the pinnacle of accuracy.

Their definition of broad means everything got thru. That HB 6AG7-6L6 rig I built as a Novice got me QSL's from the FCC and the Canadian version of the FAA. Seems my 80M signal was louder on the 3rd harmonic.

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Carl" <km1h@...>; <glowbugradio@yahoogroups.com>
Sent: Thursday, April 07, 2011 6:41 PM
Subject: Re: [glowbugradio] RF chokes.

> On 7 Apr 2011 at 18:26, Carl wrote:
>
>> Thats actually an untuned amplifier circuit and the high inductance is
>> chosen to completely block any RF getting back into the PS and other
>> tubes via the B+.
>
> Well, in the case I am talking about, the article on which it was based
> specifically mentioned that the RF choke and "circuit capacitances" formed
> a
> broad-band tuned circuit. I can't remember all the details though.
>
>> I can only surmise that a ferrite core choke has such a lossy material
>> that it is saturating.
>
> Probably something like that. In any case, it sure didn't work.
>
> Thanks,
>
> Ken
>

868. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 02:51:24 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 868

On 7 Apr 2011 at 20:21, Carl wrote:

> I would never call QST the pinnacle of accuracy.

Geeze....me either!

> Their definition of broad means everything got thru. That HB 6AG7-6L6
> rig I built as a Novice got me QSL's from the FCC and the Canadian
> version of the FAA. Seems my 80M signal was louder on the 3rd
> harmonic.

That's almost funny: the same thing happened to me, except that I didn't get
one from Canada. :-)

Ken

869. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 07:03:20 UTC
From: Rod Hogg
Topic: 854 Message: 869

Dunno about 4pi structure but Hammond Mfg builds the 3pi version
Their web site www.hammondmfg.com has all the charts on various sizes and another resource is www.radiodaze.com with reference to many models.
Appears DigiKey handles them too.

As mentioned Ebay and other clearance sources are good as it appears the 'old' style stuff has dried up and new replacements are high dollar.

Rod
KØEQH

--- On Thu, 4/7/11, Kenneth G. Gordon <kgordon2006@...> wrote:

From: Kenneth G. Gordon <kgordon2006@frontier.com>
Subject: [glowbugradio] RF chokes.
To: Glowbugradio@yahoogroups.com
Date: Thursday, April 7, 2011, 2:44 PM

Might anyone know where one can still buy REAL RF chokes like the old 4 pie 2.5 mH jobs?

Those available from Mouser and Digikey are ferrite-core based and DO NOT, in my experience, work in many of the older circuits, although I am not sure why that is.

Ken Gordon W7EKB

.

870. RE: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 15:59:41 UTC
From: D C *Mac* Macdonald
Topic: 854 Message: 870

I got an OO note for a 2nd harmonic of my sole 40m
crystal (7187) from my Walter Ashe 6AG7-6L6 rig.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: km1h@...
CC: Glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Thu, 7 Apr 2011 19:51:24 -0700
Subject: Re: [glowbugradio] RF chokes.

On 7 Apr 2011 at 20:21, Carl wrote:

> I would never call QST the pinnacle of accuracy.

Geeze....me either!

> Their definition of broad means everything got thru. That HB 6AG7-6L6
> rig I built as a Novice got me QSL's from the FCC and the Canadian
> version of the FAA. Seems my 80M signal was louder on the 3rd
> harmonic.

That's almost funny: the same thing happened to me, except that I didn't get
one from Canada. :-)

Ken

871. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 16:39:41 UTC
From: Carl
Topic: 854 Message: 871

That was the one and only time Ive used an untuned transmitter stage. My momma didnt raise no dumb kids!

Carl

----- Original Message -----
From: "D C *Mac* Macdonald" <k2gkk@...>
To: "Glowbug Radio" <glowbugradio@yahoogroups.com>
Sent: Friday, April 08, 2011 11:59 AM
Subject: RE: [glowbugradio] RF chokes.

I got an OO note for a 2nd harmonic of my sole 40m crystal (7187) from my Walter Ashe 6AG7-6L6 rig.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: km1h@...
CC: Glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Thu, 7 Apr 2011 19:51:24 -0700
Subject: Re: [glowbugradio] RF chokes.

On 7 Apr 2011 at 20:21, Carl wrote:

> I would never call QST the pinnacle of accuracy.

Geeze....me either!

> Their definition of broad means everything got thru. That HB 6AG7-6L6
> rig I built as a Novice got me QSL's from the FCC and the Canadian
> version of the FAA. Seems my 80M signal was louder on the 3rd
> harmonic.

That's almost funny: the same thing happened to me, except that I didn't get one from Canada. :-)

Ken

872. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 18:55:09 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 872

On 8 Apr 2011 at 0:03, Rod Hogg wrote:

> Dunno about 4pi structure but Hammond Mfg builds the 3pi version

Yes. I've seen those. Trouble is, they are ferrite-cored, and I want to avoid those.

> Their web site www.hammondmfg.com has all the charts on various sizes
> and another resource is www.radiodaze.com with reference to many
> models.

I'll have to look that up...

> Appears DigiKey handles them too.

Yes. I have DigiKey's catalog and they are in there too.

> As mentioned Ebay and other clearance sources are good as it appears
> the 'old' style stuff has dried up and new replacements are high
> dollar.

Yes, they sure are! Average price for those is about $10.00 each now.

I may have to dig my Mo-Re-Co Coil Winder out of storage and put it to work. It will make those "universal wound" multi-pi RF chokes. I don't have any phenolic rod, so I'll use wood soaked in liquid parafin, although I suppose I could use polystyrene rod.

(Geeze...talk about retro....!)

873. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 20:38:46 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 873

On 8 Apr 2011 at 12:39, Carl wrote:

> That was the one and only time Ive used an untuned transmitter stage.
> My momma didn't raise no dumb kids!

Same here.

After that episode, tuned-circuits were where it was at from then on...

Ken W7EKB

874. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 21:25:22 UTC
From: Carl
Topic: 854 Message: 874

Id love to have a coil winder to do pi coils; then I can make IF transformers for a few project ideas.

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Rod Hogg" <radio1rod@...>
Cc: <Glowbugradio@yahoogroups.com>
Sent: Friday, April 08, 2011 2:55 PM
Subject: Re: [glowbugradio] RF chokes.

> On 8 Apr 2011 at 0:03, Rod Hogg wrote:
>
>
>> Dunno about 4pi structure but Hammond Mfg builds the 3pi version
>
> Yes. I've seen those. Trouble is, they are ferrite-cored, and I want to
> avoid
> those.
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>> Their web site www.hammondmfg.com has all the charts on various sizes
>> and another resource is www.radiodaze.com with reference to many
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> I'll have to look that up...
>
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> Yes. I have DigiKey's catalog and they are in there too.
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>> As mentioned Ebay and other clearance sources are good as it appears
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> Yes, they sure are! Average price for those is about $10.00 each now.
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> I may have to dig my Mo-Re-Co Coil Winder out of storage and put it to
> work. It will make those "universal wound" multi-pi RF chokes. I don't
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> suppose I could use polystyrene rod.
>
> (Geeze...talk about retro....!)
>

875. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 21:43:48 UTC
From: Theosleaper
Topic: 854 Message: 875

Randy builds his own RF and IF Transformers. See his website, here:

http://www.qsl.net/ka1unw/

Look near the bottom of his "items list".

Rick, K1WYH

----- Original Message -----
From: "Carl" <km1h@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, April 08, 2011 5:25 PM
Subject: Re: [glowbugradio] RF chokes.

> Id love to have a coil winder to do pi coils; then I can make IF
> transformers for a few project ideas.
>
> Carl
>
>
> ----- Original Message -----
> From: "Kenneth G. Gordon" <kgordon2006@...>
> To: "Rod Hogg" <radio1rod@...>
> Cc: <Glowbugradio@yahoogroups.com>
> Sent: Friday, April 08, 2011 2:55 PM
> Subject: Re: [glowbugradio] RF chokes.
>
>
>> On 8 Apr 2011 at 0:03, Rod Hogg wrote:
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>> Yes. I've seen those. Trouble is, they are ferrite-cored, and I want to
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>> Yes. I have DigiKey's catalog and they are in there too.

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>> suppose I could use polystyrene rod.
>>
>> (Geeze...talk about retro....!)
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> ------------------------------------
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> Yahoo! Groups Links
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> =======
> Email scanned by PC Tools - No viruses or spyware found.
> (Email Guard: 7.0.0.21, Virus/Spyware Database: 6.17270)
> http://www.pctools.com/
> =======

876. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 21:59:51 UTC
From: Carl
Topic: 854 Message: 876

Unfortunately I need a lot more performance than those and which can only
come from Litz wound pi's. Id like to build variable selectivity IF's
similar to the old Super Pros's but at lower frequencies.

Carl

----- Original Message -----
From: "Theosleaper" <theosleaper@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, April 08, 2011 5:43 PM
Subject: Re: [glowbugradio] RF chokes.

> Randy builds his own RF and IF Transformers. See his website, here:
>
> http://www.qsl.net/ka1unw/
>
> Look near the bottom of his "items list".
>
> Rick, K1WYH
>
>
> ----- Original Message -----
> From: "Carl" <km1h@...>
> To: <glowbugradio@yahoogroups.com>
> Sent: Friday, April 08, 2011 5:25 PM
> Subject: Re: [glowbugradio] RF chokes.
>
>
>> Id love to have a coil winder to do pi coils; then I can make IF
>> transformers for a few project ideas.
>>
>> Carl
>>
>>
>> ----- Original Message -----
>> From: "Kenneth G. Gordon" <kgordon2006@...>
>> To: "Rod Hogg" <radio1rod@...>
>> Cc: <Glowbugradio@yahoogroups.com>
>> Sent: Friday, April 08, 2011 2:55 PM
>> Subject: Re: [glowbugradio] RF chokes.
>>
>>
>>> On 8 Apr 2011 at 0:03, Rod Hogg wrote:
>>>
>>>
>>>> Dunno about 4pi structure but Hammond Mfg builds the 3pi version

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>>> Yes. I've seen those. Trouble is, they are ferrite-cored, and I want to
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>>> those.
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>>>> Their web site www.hammondmfg.com has all the charts on various sizes
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>>> (Geeze...talk about retro....!)
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>> ------------------------------------
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>> Yahoo! Groups Links
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>> =======
>> Email scanned by PC Tools - No viruses or spyware found.
>> (Email Guard: 7.0.0.21, Virus/Spyware Database: 6.17270)
>> http://www.pctools.com/
>> =======
>

877. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 22:13:22 UTC
From: lee
Topic: 854 Message: 877

I have an old Morris Coil Winder here, and have never been able to wind a good looking small 3 or 4 pi choke with it. The thing is just too crude to wind coils pi configuration that small.

Lee, w0vt

From: Carl
Sent: Friday, April 08, 2011 4:59 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] RF chokes.

Unfortunately I need a lot more performance than those and which can only come from Litz wound pi's. Id like to build variable selectivity IF's similar to the old Super Pros's but at lower frequencies.

Carl

878. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 22:42:28 UTC
From: Lloyd Godsey
Topic: 854 Message: 878

http://www.antiqueradioarchives.com/

Scroll down to the 3d coil winder

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://www.antiqueradioarchives.com/

From: Carl
Sent: Friday, April 08, 2011 2:25 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] RF chokes.

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transformers for a few project ideas.

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <mailto:kgordon2006%40frontier.com>
To: "Rod Hogg" <mailto:radio1rod%40yahoo.com>
Cc: <mailto:Glowbugradio%40yahoogroups.com>
Sent: Friday, April 08, 2011 2:55 PM
Subject: Re: [glowbugradio] RF chokes.

> On 8 Apr 2011 at 0:03, Rod Hogg wrote:
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> Yes, they sure are! Average price for those is about $10.00 each now.
>
> I may have to dig my Mo-Re-Co Coil Winder out of storage and put it to
> work. It will make those "universal wound" multi-pi RF chokes. I don't
> have
> any phenolic rod, so I'll use wood soaked in liquid parafin, although I
> suppose I could use polystyrene rod.
>
> (Geeze...talk about retro....!)
>

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.894 / Virus Database: 271.1.1/3559 - Release Date: 04/07/11 23:34:00

879. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 23:14:59 UTC
From: lee
Topic: 854 Message: 879

A couple years ago this winder was brought up and someone was going to build a bunch of them and sell them. Of course, it never happened. It would be nice if it was commercially made available. Good pi chokes are really getting scarce these days, even at flea markets and on e-bay. As I mentioned earlier, my Morris Coil Winder is not up to the job of making nice looking pi chokes.

Lee, w0vt

http://www.antiqueradioarchives.com/

Scroll down to the 3d coil winder

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://www.antiqueradioarchives.com/

880. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 23:28:56 UTC
From: N2EY@aol.com
Topic: 854 Message: 880

I too have encountered the all-rf-chokes-are-not-created-alike situation.

My theory is that there's a combination of factors at work.

One is self-resonant frequency. Another is core saturation. A third is distributed capacitance.

But the most important factor is that they often "just don't work".
Which is all that really matters.

I once had a very long email correspondence with a ham who'd built a MOPA from the ARRL Handbook but couldn't get any grid current. The oscillator oscillated and the tuned circuits all grid- dipped, but no soup.

We went round and round, email after email. checking various things such as the grid metering circuit (I had him hook a battery from the grid to the cathode pins of the final tube, to make sure the circuit worked), tuned circuits, tubes, voltage and current readings, coupling and bypass caps, having somebody else check every wire, component and connection, etc. Nothing he did made the slightest difference.

And then he changed the RFC in the oscillator plate circuit from iron-core to air-core and it worked perfectly.

73 de Jim, N2EY

881. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-08 23:53:13 UTC
From: Lloyd Godsey
Topic: 854 Message: 881

Alright Ford, crawl outta the woodpile and explain.

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://www.antiqueradioarchives.com/

From: lee
Sent: Friday, April 08, 2011 4:14 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] RF chokes.

A couple years ago this winder was brought up and someone was going to build a bunch of them and sell them. Of course, it never happened. It would be nice if it was commercially made available. Good pi chokes are really getting scarce these days, even at flea markets and on e-bay. As I mentioned earlier, my Morris Coil Winder is not up to the job of making nice looking pi chokes.

Lee, w0vt

http://www.antiqueradioarchives.com/

Scroll down to the 3d coil winder

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://www.antiqueradioarchives.com/

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.894 / Virus Database: 271.1.1/3559 - Release Date: 04/07/11 23:34:00

882. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-09 00:18:05 UTC
From: lee
Topic: 854 Message: 882

Lloyd:

You need to go into business making your machine! Maybe in kit form. You have a great invention.

Lee, w0vt

883. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-09 00:26:18 UTC
From: Carl
Topic: 854 Message: 883

I also remember mentioning that Id buy one back then.....

Carl

----- Original Message -----
From: "Lloyd Godsey" <kk7iz@...>
To: <glowbugradio@yahoogroups.com>
Sent: Friday, April 08, 2011 6:42 PM
Subject: Re: [glowbugradio] RF chokes.

http://www.antiqueradioarchives.com/

Scroll down to the 3d coil winder

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://www.antiqueradioarchives.com/

From: Carl
Sent: Friday, April 08, 2011 2:25 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] RF chokes.

Id love to have a coil winder to do pi coils; then I can make IF
transformers for a few project ideas.

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <mailto:kgordon2006%40frontier.com>
To: "Rod Hogg" <mailto:radio1rod%40yahoo.com>
Cc: <mailto:Glowbugradio%40yahoogroups.com>
Sent: Friday, April 08, 2011 2:55 PM
Subject: Re: [glowbugradio] RF chokes.

> On 8 Apr 2011 at 0:03, Rod Hogg wrote:
>
>
>> Dunno about 4pi structure but Hammond Mfg builds the 3pi version
>
> Yes. I've seen those. Trouble is, they are ferrite-cored, and I want to
> avoid
> those.
>

>> Their web site www.hammondmfg.com has all the charts on various sizes
>> and another resource is www.radiodaze.com with reference to many
>> models.
>
> I'll have to look that up...
>
>> Appears DigiKey handles them too.
>
> Yes. I have DigiKey's catalog and they are in there too.
>
>> As mentioned Ebay and other clearance sources are good as it appears
>> the 'old' style stuff has dried up and new replacements are high
>> dollar.
>
> Yes, they sure are! Average price for those is about $10.00 each now.
>
> I may have to dig my Mo-Re-Co Coil Winder out of storage and put it to
> work. It will make those "universal wound" multi-pi RF chokes. I don't
> have
> any phenolic rod, so I'll use wood soaked in liquid parafin, although I
> suppose I could use polystyrene rod.
>
> (Geeze...talk about retro....!)
>

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.894 / Virus Database: 271.1.1/3559 - Release Date: 04/07/11
23:34:00

884. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-09 02:00:33 UTC
From: Gary Pewitt
Topic: 854 Message: 884

Lindsay publications has a booklet on making your own coil winder.
www.Lindsaybooks.com I have one and it is very clear and informative.
Winder is cheap and easy to build, but one thing you should know:
Lindsay books are very habit forming. :-)
73 Gary N9ZSV

On 4/8/2011 4:25 PM, Carl wrote:
>
>
> Id love to have a coil winder to do pi coils; then I can make IF
> transformers for a few project ideas.
>
> Carl
>
> ----- Original Message -----
> From: "Kenneth G. Gordon" <kgordon2006@...
> <mailto:kgordon2006%40frontier.com>>
> To: "Rod Hogg" <radio1rod@... <mailto:radio1rod%40yahoo.com>>
> Cc: <Glowbugradio@yahoogroups.com <mailto:Glowbugradio%40yahoogroups.com>>
> Sent: Friday, April 08, 2011 2:55 PM
> Subject: Re: [glowbugradio] RF chokes.
>
> > On 8 Apr 2011 at 0:03, Rod Hogg wrote:
> >
> >
> >> Dunno about 4pi structure but Hammond Mfg builds the 3pi version
> >
> > Yes. I've seen those. Trouble is, they are ferrite-cored, and I want to
> > avoid
> > those.
> >
> >> Their web site www.hammondmfg.com has all the charts on various sizes
> >> and another resource is www.radiodaze.com with reference to many
> >> models.
> >
> > I'll have to look that up...
> >
> >> Appears DigiKey handles them too.
> >
> > Yes. I have DigiKey's catalog and they are in there too.
> >
> >> As mentioned Ebay and other clearance sources are good as it appears
> >> the 'old' style stuff has dried up and new replacements are high
> >> dollar.
> >

> > Yes, they sure are! Average price for those is about $10.00 each now.
> >
> > I may have to dig my Mo-Re-Co Coil Winder out of storage and put it to
> > work. It will make those "universal wound" multi-pi RF chokes. I don't
> > have
> > any phenolic rod, so I'll use wood soaked in liquid parafin, although I
> > suppose I could use polystyrene rod.
> >
> > (Geeze...talk about retro....!)
> >
>
>

885. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-09 02:07:06 UTC
From: Gary Pewitt
Topic: 854 Message: 885

Wow, another GREAT web page. Thanks for posting it. 73 Gary N9ZSV

On 4/8/2011 4:43 PM, Theosleaper wrote:
>
>
> Randy builds his own RF and IF Transformers. See his website, here:
>
> http://www.qsl.net/ka1unw/
>
> Look near the bottom of his "items list".
>
> Rick, K1WYH
>
Big snip

886. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-09 02:24:37 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 886

On 8 Apr 2011 at 21:00, Gary Pewitt wrote:

> Lindsay publications has a booklet on making your own coil winder.
> www.Lindsaybooks.com I have one and it is very clear and
> informative. Winder is cheap and easy to build, but one thing you
> should know: Lindsay books are very habit forming. :-) 73 Gary N9ZSV

Boy! You can say that again! :-)

Ken W7EKB

887. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-09 02:30:34 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 887

On 8 Apr 2011 at 15:42, Lloyd Godsey wrote:

> http://www.antiqueradioarchives.com/
>
> Scroll down to the 3d coil winder

Lloyd:

That thing is a real Jim-Dandy!!! Excellent ideas.

I'm going to build one.

Ken W7EKB

888. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-11 20:09:20 UTC
From: Kenneth Grimm
Topic: 854 Message: 888

OK fellows, help me out here. When I go to Lindsaybooks.com all I get is an invitation to buy the domain name and some sponsored links...no books.

73,
Ken - K4XL

On Fri, Apr 8, 2011 at 10:24 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

> On 8 Apr 2011 at 21:00, Gary Pewitt wrote:
>
> > Lindsay publications has a booklet on making your own coil winder.
> > www.Lindsaybooks.com I have one and it is very clear and
> > informative. Winder is cheap and easy to build, but one thing you
> > should know: Lindsay books are very habit forming. :-) 73 Gary N9ZSV
>
> Boy! You can say that again! :-)
>
> Ken W7EKB
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

--
Ken - K4XL
BoatAnchor Manual Archive
BAMA - http://bama.edebris.com

889. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-11 20:13:23 UTC
From: Lloyd Godsey
Topic: 854 Message: 889

Try this link
http://www.lindsaybks.com/
Google is your friend

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://www.antiqueradioarchives.com/

From: Kenneth Grimm
Sent: Monday, April 11, 2011 1:09 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] RF chokes.

OK fellows, help me out here. When I go to Lindsaybooks.com all I get is an invitation to buy the domain name and some sponsored links...no books.

73,
Ken - K4XL

On Fri, Apr 8, 2011 at 10:24 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

On 8 Apr 2011 at 21:00, Gary Pewitt wrote:

> Lindsay publications has a booklet on making your own coil winder.
> www.Lindsaybooks.com I have one and it is very clear and
> informative. Winder is cheap and easy to build, but one thing you
> should know: Lindsay books are very habit forming. :-) 73 Gary N9ZSV

Boy! You can say that again! :-)

Ken W7EKB

Yahoo! Groups Links

--
Ken - K4XL
BoatAnchor Manual Archive
BAMA - http://bama.edebris.com

No virus found in this incoming message.
Checked by AVG - www.avg.com

Version: 9.0.894 / Virus Database: 271.1.1/3565 - Release Date: 04/10/11 23:35:00

890. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-11 20:15:26 UTC
From: Garey Barrell
Topic: 854 Message: 890

Ken -

<www.lindsaybks.com>

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

Kenneth Grimm wrote:
>
>
> OK fellows, help me out here. When I go to Lindsaybooks.com all I get
> is an invitation to buy the domain name and some sponsored links...no
> books.
>
> 73,
> Ken - K4XL
>
> On Fri, Apr 8, 2011 at 10:24 PM, Kenneth G. Gordon
> <kgordon2006@... <mailto:kgordon2006@...>> wrote:
>
> On 8 Apr 2011 at 21:00, Gary Pewitt wrote:
>
> > Lindsay publications has a booklet on making your own coil winder.
> > www.Lindsaybooks.com <http://www.Lindsaybooks.com> I have one
> and it is very clear and
> > informative. Winder is cheap and easy to build, but one thing you
> > should know: Lindsay books are very habit forming. :-) 73 Gary
> N9ZSV
>
> Boy! You can say that again! :-)
>
> Ken W7EKB
>
>

891. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-11 20:17:56 UTC
From: Kenneth Grimm
Topic: 854 Message: 891

Aha! Thanks Lloyd and Garey. Lots to look at in there!
73,
Ken - K4XL

On Mon, Apr 11, 2011 at 4:13 PM, Lloyd Godsey <kk7iz@...> wrote:

>
>
> Try this link
> http://www.lindsaybks.com/
> Google is your friend
>
> Thanx
> Lloyd Godsey KK7IZ
> kk7iz@...
> 480-620-7145
> http://www.lloydsdipsydumpster.com/
> http://www.antiqueradioarchives.com/
>
>
> *From:* Kenneth Grimm <grimm@...>
> *Sent:* Monday, April 11, 2011 1:09 PM
> *To:* glowbugradio@yahoogroups.com
> *Subject:* Re: [glowbugradio] RF chokes.
>
>
>
> OK fellows, help me out here. When I go to Lindsaybooks.com all I get is
> an invitation to buy the domain name and some sponsored links...no books.
>
> 73,
> Ken - K4XL
>
> On Fri, Apr 8, 2011 at 10:24 PM, Kenneth G. Gordon <
> kgordon2006@...> wrote:
>
>> On 8 Apr 2011 at 21:00, Gary Pewitt wrote:
>>
>> > Lindsay publications has a booklet on making your own coil winder.
>> > www.Lindsaybooks.com I have one and it is very clear and
>> > informative. Winder is cheap and easy to build, but one thing you
>> > should know: Lindsay books are very habit forming. :-) 73 Gary N9ZSV
>>
>> Boy! You can say that again! :-)
>>

>> Ken W7EKB
>>
>>
>> ------------------------------------
>>
>> Yahoo! Groups Links
>>
>>
>>
>>
>
>
> --
> Ken - K4XL
> BoatAnchor Manual Archive
> BAMA - http://bama.edebris.com
>
> ------------------------------
>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 9.0.894 / Virus Database: 271.1.1/3565 - Release Date: 04/10/11
> 23:35:00
>
>
>

--
Ken - K4XL
BoatAnchor Manual Archive
BAMA - http://bama.edebris.com

892. Re: [glowbugradio] RF chokes.

Yahoo group: glowbugradio
Date: 2011-04-12 03:10:40 UTC
From: Gary Pewitt
Topic: 854 Message: 892

You had me scared there. I was afraid they had gone out of business.
Try this link: http://www.lindsaybks.com/

73 Gary N9ZSV

On 4/11/2011 3:09 PM, Kenneth Grimm wrote:
>
>
> OK fellows, help me out here. When I go to Lindsaybooks.com all I get
> is an invitation to buy the domain name and some sponsored links...no books.
>
> 73,
> Ken - K4XL
>
> On Fri, Apr 8, 2011 at 10:24 PM, Kenneth G. Gordon
> <kgordon2006@... <mailto:kgordon2006@...>> wrote:
>
> On 8 Apr 2011 at 21:00, Gary Pewitt wrote:
>
> > Lindsay publications has a booklet on making your own coil winder.
> > www.Lindsaybooks.com <http://www.Lindsaybooks.com> I have one
> and it is very clear and
> > informative. Winder is cheap and easy to build, but one thing you
> > should know: Lindsay books are very habit forming. :-) 73 Gary
> N9ZSV
>
> Boy! You can say that again! :-)
>
> Ken W7EKB
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
> glowbugradio-fullfeatured@yahoogroups.com
> <mailto:glowbugradio-fullfeatured@yahoogroups.com>
>
>
>
>
>
> --
> Ken - K4XL

> BoatAnchor Manual Archive
> BAMA - http://bama.edebris.com
>
>

893. Triode PD and values for different frequencies.

Yahoo group: glowbugradio
Date: 2011-04-17 00:16:51 UTC
From: Kenneth G. Gordon
Topic: 893 Message: 893

This concerns that Heathkit single-triode product detector: the one in their "all-banders", SB-101, etc.

I have been calculating reactances, both capacitive and inductive, for that design at various IF frequencies.

Looking first at the cathode choke, we find the following:

At the original design frequency of 3395 Khz, the cathode RF choke of 300 uH has an inductive reactance of around 6400 ohms, give or take a bit.

The cathode bias resistor (4.7K) is bypassed to ground by a 0.2 MFD cap, whose capactive reactance at 3395 Khz is about 0.24 ohms, so essentially, for RF, the resistor isn't there.

If we lower the IF frequency to 455 Khz, we would need a 2.2 mH choke to achieve the same inductive reactance. 2.5 mH is close enough.

The 300 uH choke only exhibits an inductive reactance of 857 ohms at 455 Khz.

I don't think that is enough.

The 0.2 mfd cap exhibits a capacitive reactance at 455 Khz of about 1.75 ohms. That's OK.

Now, looking at the plate filter, a pair of 500 pfd caps on either side of a 47K resistor, the capactive reactance at 3395 Khz is 94 ohms, but at 455 Khz, it is 700 ohms, while a 0.005 mfd cap exhibits a capacitive reactance of 70 ohms at 455 Khz.

Obviously, if one is going to reduce the IF frequency by a factor of 8, the associated bypass and filter components should also be increased by a factor of 8.

Ken W7EKB

894. W1ICPS Mate for the Mighty Midget

Yahoo group: glowbugradio
Date: 2011-04-18 02:13:54 UTC
From: k8zxw
Topic: 894 Message: 894

Hello to group, has anyone in the group built the
Mate for the Mighty Midget, receiver using 6U8's and if so how did it work out for you ???
Thanks and 73's K8ZXW

895. Outboard Cable Covering

Yahoo group: glowbugradio
Date: 2011-05-22 19:22:46 UTC
From: lee
Topic: 854 Message: 895

I’m in the process of building a high powered audio amp using 8 EL-34 tubes. The power supply is on another chassis. I need to have 6 wires feeding the bias and plate voltages. I am going to use 12 pin 10 amp per pin jones plug and jack for the interconnect wires. (6 pins used for the two filament wires). I want to use number 14 wire or maybe even number 12 wire for the filament wire (18 amps) and most likely something like number 20 for the remaining plus and minus voltages (400 to 500 volts).
That said, I think I want to shield the filament wires from the other cable wires. I don’t think a readably available cable is obtainable. I will have to make one up. Rather then use cable ties to hold the “bundle” together I would like to slip them into a “covering”. My experience with “heat shrink’ is it is very stiff. (turns me off for a 1 to 1 1/2 foot cable). I know there is cloth heat shrink but I have no idea where to buy some in a small quantity. Plastic convoluted cable pipe is too stiff too.
So, any ideas on how to or where to find a cable cover that will look good and be pliable which is obtainable in small quantities? (I need to stuff the 6 plus and minus number 20 wires inside plus the shielded number 14 filament wires, or visa versa, within the covering).
I’d appreciate hearing ideas from you chaps. Putting the supply on the amp chassis is not an option. Am I doomed to using cable ties for this?
Lee, w0vt
Houston, Texas

896. RE: [glowbugradio] Outboard Cable Covering

Yahoo group: glowbugradio
Date: 2011-05-22 20:57:27 UTC
From: D C *Mac* Macdonald
Topic: 854 Message: 896

Maybe you could take some old coax, strip the jacket off,
then remove the shield braid and use IT for your purpose???

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

> To: glowbugradio@yahoogroups.com
> From: pulsarxp@...
> Date: Sun, 22 May 2011 14:22:46 -0500
> Subject: [glowbugradio] Outboard Cable Covering
>
>
>
> I’m in the process of building a high powered audio amp using 8 EL-34
> tubes. The power supply is on another chassis. I need to have 6 wires
> feeding the bias and plate voltages. I am going to use 12 pin 10 amp
> per pin jones plug and jack for the interconnect wires. (6 pins used
> for the two filament wires). I want to use number 14 wire or maybe
> even number 12 wire for the filament wire (18 amps) and most likely
> something like number 20 for the remaining plus and minus voltages (400
> to 500 volts).
>
> That said, I think I want to shield the filament wires from the other
> cable wires. I don’t think a readably available cable is obtainable.
> I will have to make one up. Rather then use cable ties to hold the
> “bundle” together I would like to slip them into a “covering”. My
> experience with “heat shrink’ is it is very stiff. (turns me off for
> a 1 to 1 1/2 foot cable). I know there is cloth heat shrink but I
> have no idea where to buy some in a small quantity. Plastic convoluted
> cable pipe is too stiff too.
>
> So, any ideas on how to or where to find a cable cover that will look
> good and be pliable which is obtainable in small quantities? (I need
> to stuff the 6 plus and minus number 20 wires inside plus the shielded
> number 14 filament wires, or visa versa, within the covering).
>
> I’d appreciate hearing ideas from you chaps. Putting the supply on the
> amp chassis is not an option. Am I doomed to using cable ties for
> this?
>

> Lee, w0vt
> Houston, Texas
>
>

897. Re: Outboard Cable Covering

Yahoo group: glowbugradio
Date: 2011-05-22 21:08:58 UTC
From: Bill Lundberg
Topic: 854 Message: 897

Lee
Try 'split tubing' (some call it 'spiral wrap)'.
Available in 1/2" and 3/4" diameter.
Works great

Bill - W0JCL - WWII vet.

898. Re: [glowbugradio] Outboard Cable Covering

Yahoo group: glowbugradio
Date: 2011-05-23 00:48:37 UTC
From: Carl
Topic: 854 Message: 898

Why not lace them as done before ties?

Carl
KM1H

----- Original Message -----
From: lee
To: glowbugradio@yahoogroups.com
Sent: Sunday, May 22, 2011 3:22 PM
Subject: [glowbugradio] Outboard Cable Covering

I’m in the process of building a high powered audio amp using 8 EL-34 tubes. The power supply is on another chassis. I need to have 6 wires feeding the bias and plate voltages. I am going to use 12 pin 10 amp per pin jones plug and jack for the interconnect wires. (6 pins used for the two filament wires). I want to use number 14 wire or maybe even number 12 wire for the filament wire (18 amps) and most likely something like number 20 for the remaining plus and minus voltages (400 to 500 volts).

That said, I think I want to shield the filament wires from the other cable wires. I don’t think a readably available cable is obtainable.. I will have to make one up. Rather then use cable ties to hold the “bundle” together I would like to slip them into a “covering”. My experience with “heat shrink’ is it is very stiff. (turns me off for a 1 to 1 1/2 foot cable). I know there is cloth heat shrink but I have no idea where to buy some in a small quantity. Plastic convoluted cable pipe is too stiff too.

So, any ideas on how to or where to find a cable cover that will look good and be pliable which is obtainable in small quantities? (I need to stuff the 6 plus and minus number 20 wires inside plus the shielded number 14 filament wires, or visa versa, within the covering).

I’d appreciate hearing ideas from you chaps. Putting the supply on the amp chassis is not an option. Am I doomed to using cable ties for this?

Lee, w0vt
Houston, Texas

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1375 / Virus Database: 1509/3654 - Release Date: 05/22/11

899. Re: [glowbugradio] Outboard Cable Covering

Yahoo group: glowbugradio
Date: 2011-05-23 01:10:08 UTC
From: Paul Christensen
Topic: 854 Message: 899

> "Rather then use cable ties to hold the “bundle” together I would like to slip them into a “covering”. My experience with “heat shrink’ is it is very stiff. (turns me off for a 1 to 1 1/2 foot cable). I know there is cloth heat shrink but I have no idea where to buy some in a small quantity."

I had an identical need with an old ca. 1935 National HRO. The 2.5V tubes draw large filament current through #10 AWG wire. The trouble was I could not find an exact replacement cable. So, I constructed my own to National specs. To keep an authentic look and feel, I purchased loom tubing from the big auction site. Search for " ASPHALT CLOTH WIRE LOOM ORIGINAL RESTORATION " The seller also has several other sizes. Simply bundle the individual wires and push them through the loom tubing. Looks and works great and blends in perfectly with old gear. Other expandable loom tubing is available on the web but almost all of it is some form of plastic and does not look right with vintage and tube gear.

Paul, W9AC

900. Re: [glowbugradio] Outboard Cable Covering

Yahoo group: glowbugradio
Date: 2011-05-23 01:50:58 UTC
From: Charles MacDonald
Topic: 854 Message: 900

On 11-05-22 03:22 PM, lee wrote:
> Rather then use cable ties to hold the
> ?bundle? together I would like to slip them into a ?covering?.
> So, any ideas on how to or where to find a cable cover that will look
> good and be pliable which is obtainable in small quantities?

The automotive folks use a "split loom" which is like a corrugated
plastic. There is a slit on one side and the wires slide in easaly.

I have also seen another type which is a a plastic spiral. That style
allows you to have wires branch off anywhere.

As Others have said, the traditional way was to use lacing cord,
overwraped with cloth tape. I would guess that "camera Tape" used by
Cinematographers would work.

Something like
http://www.hollynorth.com/store/product.php?productid=275&cat=6

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

901. Re: [glowbugradio] Outboard Cable Covering

Yahoo group: glowbugradio
Date: 2011-05-23 02:05:34 UTC
From: Rod Hogg
Topic: 854 Message: 901

Lee.
www.tubesandmore has 'expanded mesh' sleeving sold by the foot. Will take 3/4" of wires. Pretty good stuff, very flexible and and looks good, is a lot like aircraft sleeving. Could use small coax for the 20awg wires, be shielded.

Rod
KØEQH

--- On Sun, 5/22/11, lee <pulsarxp@...> wrote:

From: lee <pulsarxp@...>
Subject: [glowbugradio] Outboard Cable Covering
To: glowbugradio@yahoogroups.com
Date: Sunday, May 22, 2011, 2:22 PM

I’m in the process of building a high powered audio amp using 8 EL-34 tubes. The power supply is on another chassis. I need to have 6 wires feeding the bias and plate voltages. I am going to use 12 pin 10 amp per pin jones plug and jack for the interconnect wires. (6 pins used for the two filament wires). I want to use number 14 wire or maybe even number 12 wire for the filament wire (18 amps) and most likely something like number 20 for the remaining plus and minus voltages (400 to 500 volts).

That said, I think I want to shield the filament wires from the other cable wires. I don’t think a readably available cable is obtainable. I will have to make one up. Rather then use cable ties to hold the “bundle” together I would like to slip them into a “covering”. My experience with “heat shrink’ is it is very stiff. (turns me off for a 1 to 1 1/2 foot cable). I know there is cloth heat shrink but I have no idea where to buy some in a small quantity. Plastic convoluted cable pipe is too stiff too.

So, any ideas on how to or where to find a cable cover that will look good and be pliable which is obtainable in small quantities? (I need to stuff the 6 plus and minus number 20 wires inside plus the shielded number 14 filament wires, or visa versa, within the covering).

I’d appreciate hearing ideas from you chaps. Putting the supply on the amp chassis is not an option. Am I doomed to using cable ties for this?

Lee, w0vt

Houston, Texas

902. Re: [glowbugradio] Outboard Cable Covering

Yahoo group: glowbugradio
Date: 2011-05-23 03:13:52 UTC
From: lee
Topic: 854 Message: 902

I just got home as I was away all day. I just read all the ideas on what I could do to bundle my wire outboard cable. I want to thank everyone for your suggestions.
The plastic sleeving either split or not split is out as I have tried this before and it is just too stiff for my needs. (Especially when the cable is short). Both Rod, K0EQH and Paul W9AC came up with the same cloth sleeving! Perfecto!!!! This is exactly what I had in mind. I looked at AES and they sell one size of this stuff but the source on E-bay has many sizes available. I'll have to figure out exactly what size I will need. Both these two sources sell the same type cloth wire loom. This will work out great as it will flex easily and looks good too. One end will come out of the chassis thru a rubber grommet and the other end will terminate within a 12 pin female Jones/Molex plug.
Again thanks a million to all that responded and especially to K0EQH and W9AC. You guys are great and I love this list.
Lee, W0VT
Houston, TX
☐

> "Rather then use cable ties to hold the "bundle" together I would like to slip them into a "covering". My experience with "heat shrink' is it is very stiff. (turns me off for a 1 to 1 1/2 foot cable). I know there is cloth heat shrink but I have no idea where to buy some in a small quantity."

I had an identical need with an old ca. 1935 National HRO. The 2.5V tubes draw large filament current through #10 AWG wire. The trouble was I could not find an exact replacement cable. So, I constructed my own to National specs. To keep an authentic look and feel, I purchased loom tubing from the big auction site. Search for " ASPHALT CLOTH WIRE LOOM ORIGINAL RESTORATION " The seller also has several other sizes. Simply bundle the individual wires and push them through the loom tubing. Looks and works great and blends in perfectly with old gear. Other expandable loom tubing is available on the web but almost all of it is some form of plastic and does not look right with vintage and tube gear.

Paul, W9AC

903. Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-05-31 09:38:35 UTC
From: hortonstevenr
Topic: 903 Message: 903

What era is this circuit design. I am gathering the materials to build this transmitter (first tube project) although I will not be using a tuna fish can.

The next step after the build will be to match it with a receiver. I would like to hunt down an equivelent era receiver to go with the transmitter.

Thank you for your time.

72,
Steve W6EOD

904. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-05-31 12:45:11 UTC
From: Carl
Topic: 903 Message: 904

I believe the initial design was SS from the 70's and then adapted to tubes many years later when the nostalgia bug blew in.
Google has a lot of hits.

A cute compact receiver would be a Hallicrafters SX-140 which responds well to overhaul and modifying. It was sold in kit form and factory wired.

Carl
KM1H

----- Original Message -----
From: hortonstevenr
To: glowbugradio@yahoogroups.com
Sent: Tuesday, May 31, 2011 5:38 AM
Subject: [glowbugradio] Two Tube Tin Transmitter

What era is this circuit design. I am gathering the materials to build this transmitter (first tube project) although I will not be using a tuna fish can.

The next step after the build will be to match it with a receiver. I would like to hunt down an equivelent era receiver to go with the transmitter.

Thank you for your time.

72,
Steve W6EOD

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1375 / Virus Database: 1509/3671 - Release Date: 05/31/11

905. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-01 17:58:09 UTC
From: John Ruccolo
Topic: 903 Message: 905

Hi Carl,

Hey, what about the Heathkit HR-10 and 10B? Pretty much Heath's answer to the SX-140. I like the SX-140 too, but they are harder to find than an HR-10/10B.

So, I guess you're happy now that the Red Sox have recovered from that terrible start....

I know you worked for National for a long time: what was your favorite National receiver?

Regards,

John KC2UAK

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Tue, May 31, 2011 8:45:11 AM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

I believe the initial design was SS from the 70's and then adapted to tubes many years later when the nostalgia bug blew in.
Google has a lot of hits.

A cute compact receiver would be a Hallicrafters SX-140 which responds well to overhaul and modifying. It was sold in kit form and factory wired.

Carl
KM1H

----- Original Message -----
>From: hortonstevenr
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, May 31, 2011 5:38 AM
>Subject: [glowbugradio] Two Tube Tin Transmitter
>
>
>What era is this circuit design. I am gathering the materials to build this
>transmitter (first tube project) although I will not be using a tuna fish can.
>
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>Steve W6EOD
>
>

>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 10.0.1375 / Virus Database: 1509/3671 - Release Date: 05/31/11

906. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-01 19:21:24 UTC
From: Kenneth G. Gordon
Topic: 903 Message: 906

On 1 Jun 2011 at 10:58, John Ruccolo wrote:

> Hey, what about the Heathkit HR-10 and 10B? Pretty much Heath's answer to
> the SX-140. I like the SX-140 too, but they are harder to find than an HR-10/10B.

Although you are pretty much correct in your assessment, the HR-10 has a problem in that its
sensitivity drops off pretty badly on 15 and 10 meters. I have been working, off and on, with
another fellow in an attempt to figure out why this is so. So far, we have been stumped.

> I know you worked for National for a long time: what was your favorite National
> receiver?

That is a good question: Carl?

Ken W7EKB

907. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-01 19:28:53 UTC
From: Bob Macklin
Topic: 903 Message: 907

Most of the Hallicrafters and National lower end receivers also drop off above 20M.

I'm speaking about the types that would generally have been used by entry level hams.

If you want to use a lower end receiver on 15M or 10M make a converter or preselector for it.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, June 01, 2011 12:21 PM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

On 1 Jun 2011 at 10:58, John Ruccolo wrote:

> Hey, what about the Heathkit HR-10 and 10B? Pretty much Heath's answer to
> the SX-140. I like the SX-140 too, but they are harder to find than an HR-10/10B.

Although you are pretty much correct in your assessment, the HR-10 has a problem in that its
sensitivity drops off pretty badly on 15 and 10 meters. I have been working, off and on, with
another fellow in an attempt to figure out why this is so. So far, we have been stumped.

> I know you worked for National for a long time: what was your favorite National
> receiver?

That is a good question: Carl?

Ken W7EKB

908. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-01 19:34:53 UTC
From: Kenneth G. Gordon
Topic: 903 Message: 908

On 1 Jun 2011 at 12:28, Bob Macklin wrote:

> Most of the Hallicrafters and National lower end receivers also drop off above 20M.

Yes. That is true. But that does not appear to be the case with the SX-140, although the circuits are almost (but not quite) identical.

> I'm speaking about the types that would generally have been used by entry level hams.

Yes.

> If you want to use a lower end receiver on 15M or 10M make a converter or preselector for it.

That was the common solution.

Ken W7EKB

909. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-01 19:51:12 UTC
From: Carl
Topic: 903 Message: 909

Ive no experience with any Heath receivers. As far as the HR-10 maybe they copied the SX-25 problem, a totally mismatched hi range RF coil. The SX-140 has a pretty hot front end. Its pretty useless on CW/SSB unless its stabilized and double conversion with a decent filter added; there is plenty of working room.

When I was at National I didnt think any were worth owning except the HRO-500, everything else was long obsolete in design. I was long gone from AM and wanted a top of the line CW/SSB contest grade radio and settled on a 75A4 which I then highly modified and still use alongside a TS-940 and TS-950SD for digging in for 160/80 CW DX.

These days for AM and casual CW I like a whole bunch of them from the 1935 HRO to the NC-400 and the HRO-500 is my favorite still. The NC-300/303 is right up there also for hambands only and the HRO-60/NC-183D are excellent battle conditions AM radios.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, June 01, 2011 3:21 PM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

On 1 Jun 2011 at 10:58, John Ruccolo wrote:

> Hey, what about the Heathkit HR-10 and 10B? Pretty much Heath's answer to
> the SX-140. I like the SX-140 too, but they are harder to find than an HR-10/10B.

Although you are pretty much correct in your assessment, the HR-10 has a problem in that its
sensitivity drops off pretty badly on 15 and 10 meters. I have been working, off and on, with
another fellow in an attempt to figure out why this is so. So far, we have been stumped.

> I know you worked for National for a long time: what was your favorite National
> receiver?

That is a good question: Carl?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1375 / Virus Database: 1511/3673 - Release Date: 06/01/11

910. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-01 20:16:09 UTC
From: Kenneth G. Gordon
Topic: 903 Message: 910

On 1 Jun 2011 at 15:51, Carl wrote:

> I've no experience with any Heath receivers.

I have some experience with several of them. A couple are at least as good as others of the same time period.

> As far as the HR-10 maybe
> they copied the SX-25 problem, a totally mismatched hi range RF coil.

Ah, HA! Another possible clue I haven't thought about.

The HR-10 has separate coils for 15 and 10. We had been working on the 6EA8 oscillator/mixer section. The HR-10 doubles the oscillator for 15 and 10 meters. I.e., it is operating at 1/2 the injection frequency. But the NC-300/303 does the same thing with no problem, as does the SX-140.

We had suspected that perhaps the pentode (mixer section) of the 6EA8 had too low transconductance, but switching to a 6GH8A didn't help at all.

> The SX-140 has a pretty hot front end. Its pretty useless on CW/SSB
> unless its stabilized and double conversion with a decent filter
> added; there is plenty of working room.

The HR-10 has plenty of room, too, and stabliizing it is not difficult. There are some other simple mods one can make to it to improve it. It actually is a pretty good receiver, especially for the price.

I had an HRO-500 once, with LF converter. It was a nice receiver, although it needed some work. I sold it, as we really needed extra cash at that time.

> These days for AM and casual CW I like a whole bunch of them from the
> 1935 HRO to the NC- 400 and the HRO-500 is my favorite still. The
> NC-300/303 is right up there also for hambands only and the
> HRO-60/NC-183D are excellent battle conditions AM radios.

I have never had an opportunity to use either the NC-300 or 303, but I have used an HRO-60 and presently own an HRO-50-R1 and an HRO-50R. I like all of those, but I think the HRO-50-1 is the best of the three.

I've always wanted an NC-183D.

Ken W7EKB

911. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-01 22:09:36 UTC
From: Carl
Topic: 903 Message: 911

The HR0-50 is a NC-183 with plug in coils or vice versa, a 2 IF wide open armchair AM radio. The 50-1 is a little sharper, the 183D sharper still and the 60 is the choice for 75M at night.

The NBS-1 is more flexible with its 3 IF's plus IF selectivity control and was also built as the NC-183NR and then modified by Northern Radio for diversity reception. Both show up several times a year on fleabay and hamfests and are a good catch that hasnt brought collector price frenzy. The PP 6V6's are retained.

Carl
KM1H

.
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugs
Sent: Wednesday, June 01, 2011 4:16 PM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

On 1 Jun 2011 at 15:51, Carl wrote:

> I've no experience with any Heath receivers.

I have some experience with several of them. A couple are at least as good as others of the same time period.

> As far as the HR-10 maybe
> they copied the SX-25 problem, a totally mismatched hi range RF coil.

Ah, HA! Another possible clue I haven't thought about.

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We had suspected that perhaps the pentode (mixer section) of the 6EA8 had too low transconductance, but switching to a 6GH8A didn't help at all.

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I've always wanted an NC-183D.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1375 / Virus Database: 1511/3673 - Release Date: 06/01/11

912. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-01 22:27:43 UTC
From: Carl
Topic: 903 Message: 912

Sets with a miniature tube RF stage and using a triode/pentode osc/mixer were generally pretty sensitive. The SX-140 is in this class.

This also included the low-middle range NC-140/155 with the 6BZ6, 6/12BE6 setup.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, June 01, 2011 3:34 PM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

On 1 Jun 2011 at 12:28, Bob Macklin wrote:

> Most of the Hallicrafters and National lower end receivers also drop off above 20M.

Yes. That is true. But that does not appear to be the case with the SX-140, although the circuits are almost (but not quite) identical.

> I'm speaking about the types that would generally have been used by entry level hams.

Yes.

> If you want to use a lower end receiver on 15M or 10M make a converter or preselector for it.

That was the common solution.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1375 / Virus Database: 1511/3673 - Release Date: 06/01/11

913. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-02 17:50:40 UTC
From: John Ruccolo
Topic: 903 Message: 913

I'll have to dig my SX-140 out and give it a workout on the higher bands. I wonder if Heath ever corrected the 10/15M sensitivity problem with the HR-10 series? It was in production a long time. But maybe they didn't bother, beause they figured most Novices were probably only using 80 and 40 (like me).

I could see adding a product detector and VR tube, but double conversion? Seems like a lot of work to me....

Not surprised that the HRO-500 was your favorite. Wish I had one....

So, what did you do to the 75A-4? Wasn't it good enough as-is?

73,

John KC2UAK

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Wed, June 1, 2011 3:51:12 PM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

Ive no experience with any Heath receivers. As far as the HR-10 maybe they copied the SX-25 problem, a totally mismatched hi range RF coil. The SX-140 has a pretty hot front end. Its pretty useless on CW/SSB unless its stabilized and double conversion with a decent filter added; there is plenty of working room.

When I was at National I didnt think any were worth owning except the HRO-500, everything else was long obsolete in design. I was long gone from AM and wanted a top of the line CW/SSB contest grade radio and settled on a 75A4 which I then highly modified and still use alongside a TS-940 and TS-950SD for digging in for 160/80 CW DX.

These days for AM and casual CW I like a whole bunch of them from the 1935 HRO to the NC-400 and the HRO-500 is my favorite still. The NC-300/303 is right up there also for hambands only and the HRO-60/NC-183D are excellent battle conditions AM radios.

Carl
KM1H

----- Original Message -----
>From: Kenneth G. Gordon
>To: glowbugradio@yahoogroups.com
>Sent: Wednesday, June 01, 2011 3:21 PM
>Subject: Re: [glowbugradio] Two Tube Tin Transmitter
>
>

>On 1 Jun 2011 at 10:58, John Ruccolo wrote:
>
>> Hey, what about the Heathkit HR-10 and 10B? Pretty much Heath's answer to
>> the SX-140. I like the SX-140 too, but they are harder to find than an
>>HR-10/10B.
>
>Although you are pretty much correct in your assessment, the HR-10 has a problem
>in that its
>
>sensitivity drops off pretty badly on 15 and 10 meters. I have been working, off
>and on, with
>
>another fellow in an attempt to figure out why this is so. So far, we have been
>stumped.
>
>> I know you worked for National for a long time: what was your favorite National
>>
>> receiver?
>
>That is a good question: Carl?
>
>Ken W7EKB
>

>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 10.0.1375 / Virus Database: 1511/3673 - Release Date: 06/01/11

914. Re: [glowbugradio] Two Tube Tin Transmitter

Yahoo group: glowbugradio
Date: 2011-06-02 22:09:15 UTC
From: Carl
Topic: 903 Message: 914

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, June 02, 2011 1:50 PM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

I'll have to dig my SX-140 out and give it a workout on the higher bands. I wonder if Heath ever corrected the 10/15M sensitivity problem with the HR-10 series? It was in production a long time. But maybe they didn't bother, beause they figured most Novices were probably only using 80 and 40 (like me).

I could see adding a product detector and VR tube, but double conversion? Seems like a lot of work to me....

** There is no selectivity unless you want to call that ridiculous oscillating IF selectivity. Replace it with a 6BE6/6BY6 and mount a couple of 6BJ6 (low fil current)stages of 455kc IF's on a small vertical subchassis along with a Kiwa or similar ceramic filter. Next replace all the 6T8 functions with SS and replace it with a 12AT7 product detector and turn the 6AZ8 triode into a BFO. Ken has also been championing a dual triode PD and BFO combined. Front panel holes and controls can be repurposed.

Not surprised that the HRO-500 was your favorite. Wish I had one....

** Ive had this one around 25 years along with the LF-10, they were almost a give away back then.

So, what did you do to the 75A-4? Wasn't it good enough as-is?

** It sucked for anything serious and I was mainly into CW/SSB DX and contesting. As built any Collins A series is highly overated and Collins couldnt build a top rate ham requirement competition grade radio and AGC until the 75S3C.
Replaced the RF with a 6GM6, 7360's for both mixers, cascaded filters with a SS buffer amp, redid the gain distribution, added hang AGC and changed the time constants of several stages, modified the noise limiter, audio stage changes to minimize distortion and roll off high frequencies, added an external NB, SS DC regulated the PTO and BFO B+ and filaments.

The 10M NF is now 6.5dB, it doesnt overload, there is no SS synthesizer phase noise and other artifacts, the audio is pleasant with headphones and hours and hours of listening. Since I did most of the work 1965-66 when it was just another old radio I dont give a damn what the uptight Collins collectors think.

Carl
KM1H

73,

John KC2UAK

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Wed, June 1, 2011 3:51:12 PM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

Ive no experience with any Heath receivers. As far as the HR-10 maybe they copied the SX-25 problem, a totally mismatched hi range RF coil. The SX-140 has a pretty hot front end. Its pretty useless on CW/SSB unless its stabilized and double conversion with a decent filter added; there is plenty of working room.

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Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, June 01, 2011 3:21 PM
Subject: Re: [glowbugradio] Two Tube Tin Transmitter

On 1 Jun 2011 at 10:58, John Ruccolo wrote:

> Hey, what about the Heathkit HR-10 and 10B? Pretty much Heath's answer to
> the SX-140. I like the SX-140 too, but they are harder to find than an
> HR-10/10B.

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sensitivity drops off pretty badly on 15 and 10 meters. I have been working, off and on, with
another fellow in an attempt to figure out why this is so. So far, we have been stumped.

> I know you worked for National for a long time: what was your favorite
> National
> receiver?

That is a good question: Carl?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1375 / Virus Database: 1511/3673 - Release Date: 06/01/11

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1375 / Virus Database: 1511/3675 - Release Date: 06/02/11

915. Harvey Wells TS-90 Transmitter

Yahoo group: glowbugradio
Date: 2011-06-05 06:41:28 UTC
From: lee
Topic: 854 Message: 915

Does anyone on here have a Harvey Wells TS-90 transmitter with or without the
R-9A receiver they would consider selling? Or, know someone having it/them for sale? I'd be interested as I've wanted at least the T-90 for a very long time.

Thanks,

Lee, w0vt
pulsarxp@...

916. Harvey Wells TS-90 Transmitter

Yahoo group: glowbugradio
Date: 2011-06-05 13:06:25 UTC
From: Carl
Topic: 854 Message: 916

I have a R9A and T-90 without a PS.

The R9A is complete and cosmetically decent. The T-90 has a scratched and paint flaking panel and is missing the Send/Receive switch. Neither has a cabinet.

Im open to offers or swaps, I can take pix also.

Carl
KM1H

----- Original Message -----
From: "lee" <pulsarxp@...>
To: "Glowbug Radio" <glowbugradio@yahoogroups.com>
Sent: Sunday, June 05, 2011 2:41 AM
Subject: [glowbugradio] Harvey Wells TS-90 Transmitter

> Does anyone on here have a Harvey Wells TS-90 transmitter with or without
> the
> R-9A receiver they would consider selling? Or, know someone having
> it/them
> for sale? I'd be interested as I've wanted at least the T-90 for a very
> long time.
>
> Thanks,
>
> Lee, w0vt
> pulsarxp@...
>
>
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> ------------------------------------
>
> Yahoo! Groups Links
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>
>
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1382 / Virus Database: 1511/3681 - Release Date: 06/04/11
>

917. RE: [glowbugradio] Harvey Wells TS-90 Transmitter

Yahoo group: glowbugradio
Date: 2011-06-05 13:34:42 UTC
From: D C *Mac* Macdonald
Topic: 854 Message: 917

I'm still searching for the APS-90 power supply
(or equivalent) for my T-90.

I once had an R-9 receiver which followed an
NC-33, then S-20R, then S-40A. IIRC, Carl has
previously stated, that the R-9 was not the
"greatest shakes" in peformance. The R-9 was
replaced by an HQ-145X, my first ever NEW
piece of ham gear. A super improvement step
in performance, IMNHO.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

> To: glowbugradio@yahoogroups.com; boatanchors@...
> From: km1h@...
> Date: Sun, 5 Jun 2011 09:06:25 -0400
> Subject: [glowbugradio] Harvey Wells TS-90 Transmitter
>
> I have a R9A and T-90 without a PS.
>
> The R9A is complete and cosmetically decent. The T-90 has a scratched and
> paint flaking panel and is missing the Send/Receive switch. Neither has a
> cabinet.
>
> Im open to offers or swaps, I can take pix also.
>
> Carl
> KM1H
>
> ----- Original Message -----
> From: "lee" <pulsarxp@...>
> To: "Glowbug Radio" <glowbugradio@yahoogroups.com>
> Sent: Sunday, June 05, 2011 2:41 AM
> Subject: [glowbugradio] Harvey Wells TS-90 Transmitter
>
>
> > Does anyone on here have a Harvey Wells TS-90 transmitter with or without
> > the
> > R-9A receiver they would consider selling? Or, know someone having
> > it/them
> > for sale? I'd be interested as I've wanted at least the T-90 for a very

> > long time.
> >
> > Thanks,
> >
> > Lee, w0vt
> > pulsarxp@...
> >
> >
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
> >
> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1382 / Virus Database: 1511/3681 - Release Date: 06/04/11
> >
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> Yahoo! Groups Links
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>
>

918. Re: [glowbugradio] Harvey Wells TS-90 Transmitter

Yahoo group: glowbugradio
Date: 2011-06-05 18:40:06 UTC
From: Kenneth G. Gordon
Topic: 854 Message: 918

On 5 Jun 2011 at 8:34, D C *Mac* Macdonald wrote:

> "IMNHO."

Hee hee! Excellent! :-)

Ken W7EKB

919. Variac, Hi Z Mic, Vintage Publications FS

Yahoo group: glowbugradio
Date: 2011-06-24 13:23:05 UTC
From: Ken Simpson, W8EK
Topic: 919 Message: 919

Variac, Hi Z Microphone, Vintage Publications For Sale:

5 amp plus Variac:

This is a Powerstat brand Variable Autotransformer, Model 217BU.
The name plate says it is rated at 5 amps, but also says 240
Volts, 7 Amps Maximum.

Obviously, it would be great for slowly bringing up some of the
older equipment.

This unit includes the large knob, and scale.

With paper work for $45 plus shipping from Florida.
It should ship fine in a medium size postal service flat rate
priority box.

Microphone for Heath Twoer, Sixer, Tener "Lunchbox":

This is the Hi Z mic that Heath used with these popular rigs.
If you have a rig that is lacking the microphone (which
seems to be the case most of the time), this is your
opportunity to get one.

This one works OK, and looks OK as well.
It has the very nice cotton covered cord.
and presently has a 1/4 inch plug on it. $25

ARRL Handbooks and other Publications:

The first two of these are in the smaller 6.5 x 9.5 inch format.
All have some very nice ads in them.
All are in close to new condition, unless stated otherwise.

1948 ARRL Handbook - 25th edition - wear and slight tear at spine.
This one has 144 pages of advertisements in the back, all
of good vintage (1948) gear. It is worth having just for
the ads! $25

1956 ARRL Handbook - 33rd edition - Nice condition
It has 144 pages of ads, and full tube charts. $25

1990 ARRL Handbook - 67th edition
This one has a hard cover, is in the larger size format, and
is in very nice condition.
It is several inches thick, with more information than you
could ever learn. $20

ARRL Antenna Book - 1955 - 7th edition
The cover is worn on this one, but the inside is fine.
Only about 26 pages of ads in this one. $15

ARRL Radio Amateur's VHF Manual
1966, 11th edition, $12

ARRL How to Become a Radio Amateur,
1970, 26th edition
Extremely nice, close to new condition,
with many vintage ads in the back, $15

Single Sideband for the Radio Amateur
1970, Fifth edition, $12

Specialized Communications Techniques
1975, First Edition, $15

ARRL "FCC Rulebook"
1986, Seventh edition, $3
1988, Eighth Edition, $4
As above, but "Newly Revised to include Codeless Technician" $6
2004, 13th edition $10

I also have many other accessories available such as many
different types of microphones, HTs, HF, VHF and UHF rigs, HF
and VHF/UHF antennas, etc.
Just too many to list here. Please e-mail your requests.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

920. SX-140 mods, and an interesting movie.

Yahoo group: glowbugradio
Date: 2011-06-25 16:35:50 UTC
From: John Ruccolo
Topic: 919 Message: 920

Hi Carl,

Sorry for the delayed reply....getting back to your very interesting post on the SX-140 mods -- have you actually done those mods to that radio? (Or similar mods to a similar radio). If you have, I give you a lot of credit -- very good "out of the box" thinking.

Also, a few weks ago on Turner Classic Movies was a WW2 spy thriller called "The House on 92nd Street."

Unfortunately, I only saw the last half hour or so -- but what a great collection of boatanchors! The German-American double-agent's shack has a pair of NC-200's with matching speakers, and a BC-610 with antenna tuner in between the recivers.

The FBI agent has a Super-Pro and matching spkr behind his desk. The FBI radio room has all kinds of classic BA's. Wish I had seen the whole movie. Looks like a pretty good story too. Highly recommended for us BA fans.

73,

John, KC2UAK

921. Re: [glowbugradio] SX-140 mods, and an interesting movie.

Yahoo group: glowbugradio
Date: 2011-06-25 17:22:16 UTC
From: Carl
Topic: 919 Message: 921

Ive always been out of the box John, even before the barnstorming sessions that went on at National. The place was full of hams and nothing was sacred when it came to mods, new ideas, etc.

Yep, I did it to one that was given to me several years ago along with a T-150A. I had been dragging a Viking I and HQ-129X to our Maine cottage and it was a drag plus there wasnt enough room to set up a comfortable station. The others fit fine and do good enough for a long weekend.

Ive seen that movie so many times its almost memorized, suggest you rent it or download.

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Saturday, June 25, 2011 12:35 PM
Subject: [glowbugradio] SX-140 mods, and an interesting movie.

Hi Carl,

Sorry for the delayed reply....getting back to your very interesting post on the SX-140 mods -- have you actually done those mods to that radio? (Or similar mods to a similar radio). If you have, I give you a lot of credit -- very good "out of the box" thinking.

Also, a few weks ago on Turner Classic Movies was a WW2 spy thriller called "The House on 92nd Street."

Unfortunately, I only saw the last half hour or so -- but what a great collection of boatanchors! The German-American double-agent's shack has a pair of NC-200's with matching speakers, and a BC-610 with antenna tuner in between the recivers.

The FBI agent has a Super-Pro and matching spkr behind his desk. The FBI radio room has all kinds of classic BA's. Wish I had seen the whole movie. Looks like a pretty good story too. Highly recommended for us BA fans.

73,

John, KC2UAK

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1513/3725 - Release Date: 06/25/11

922. Need non working Galaxy's and Rci's

Yahoo group: glowbugradio
Date: 2011-06-27 02:08:52 UTC
From: ace512007
Topic: 922 Message: 922

Seeing how ebay is in low supply of them right now. thought i'd try here and see if anyone has any non working Galaxy or rci's they'd like to sale. I would prefer base's but am open to mobiles aswell. Just let me know what you might have if you're interested in selling...

Thanks

923. For Trade: NASCAR Memorabilia for Glowbugs Parts

Yahoo group: glowbugradio
Date: 2011-07-02 04:15:54 UTC
From: gfs6666
Topic: 923 Message: 923

Hi All,
Clearing out some excess NASCAR memorabilia stuff from the home and wondered if anyone (assuming that they are a NASCAR fan) would be interested in trading for some of it in glowbug parts.

What I have:

Three Ernie Irvan die cast ACTION cars. #56 car in original box (Ernies first NASCAR car, sponsored by Dale Earnhardt), #36 M&M's car (signed by Ernie), #36 Skittles car (signed by Ernie). Three Baseball caps. One from Ernie's #36 M&M's team(signed by Ernie), one from his Skittles team (signed by Ernie),and one from when he drove the #28 Texaco Car.

Bobby Labonte #18 Interstate Batteries car (signed by Bobby)

Michael Waltrip #21 Citgo Ford "Star Trek First Contact" theme car, signed by Michael and in original box

If interested in any of the items, please reply to me via direct email of "gfs6666@yahoo.com".

Thank You,

Gordon KJ6IKT

924. Vintage ARRL Publications FS

Yahoo group: glowbugradio
Date: 2011-07-17 23:50:15 UTC
From: Ken Simpson, W8EK
Topic: 829 Message: 924

Vintage ARRL Publications For Sale:

All of these are in the smaller 6.5 x 9.5 inch format.
Most have some very nice vintage ads in them.
All are in close to new condition, unless stated otherwise.

ARRL Antenna Book - 1955 - 7th edition
The cover is worn on this one, but the inside is fine.
Only about 26 pages of ads in this one. $15

ARRL Radio Amateur's VHF Manual
1966, 11th edition, $12

ARRL Single Sideband for the Radio Amateur
1970, Fifth edition, $12

ARRL Specialized Communications Techniques
1975, First Edition, $15

ARRL How to Become a Radio Amateur,
1970, 26th edition
Extremely nice, close to new condition,
with many vintage ads in the back, $15

ARRL Operating an Amateur Radio Station - $3 each
1976, 57th edition
1978, 58th edition,
1983, 61st edition

ARRL Public Service Communications - $3 each
1985, Ninth edition
no edition number listed, but appears to be fairly new

ARRL "FCC Rulebook"
1986, Seventh edition, $3
1988, Eighth Edition, $4
As above, but "Newly Revised to include Codeless Technician" $6
2004, 13th edition $10

The following ARRL Books are in 8 1/2 x 11 inch format:

ARRL Learning to Work with Integrated Circuits, First edition $10

ARRL Radio Frequency Interference, First Edition, $10

ARRL Amateur Radio Field Resources Directory
First edition, $7

ARRL "Radio Amateurs Operating Manual",
1985, 2nd edition, $8

ARRL Understanding Amateur Radio
1977, no edition number listed, $8

Books about Digital Communications:

Your Packet Companion by Steve Ford, WB8IMY
ARRL, 1995, First Edition, $5

The Radio Amateur's Digital Communications Handbook
By KR3T, J Mayo, Published by Tab, Hardback Book,
Like New, 208 pages, 1992, $12

The Packet Radio Operators Manual published by CQ
By Buck Rogers, K4ABT, 1995, Close to new condition, $12

Tab Books:
"Oscar: The Ham Radio Satellites"
by recent silent key Dave Ingram, K4TWJ
First Edition, Hardback, Like new, $14

General Class Amateur License Study Guide
By Phil Anderson, W0XI; published by Sams
First Edition, 1979 $3

ARRL Tune in the World with Amateur Radio
1976, First Edition $3

ARRL License Manuals - $3 each:

1977, 76th edition, All classes
1979, 77th edition, All classes
1984, 79th edition, All classes
1984, 80th edition, All classes

Technician Class
1989, First Edition
1993, Second Edition

General Class
1989, First Edition
1997, Second Edition

Advanced Class
1985, First Edition
1990, Third Edition
1996, Fourth Edition

Extra Class, 1988, Third edition

Electronics Text Books:

The following books are often used as text books at the two year community and technical college level.

Experiments in Electrical Circuit Analysis, Schuler
About 200 pages, including programs. $50

Study Guide for Electronics Fundamentals, McIntyre
Paper back with about 200 pages of study material w/answers. $15

Understanding Electricity and Electronics Student Lab Guide by Science Electronics, 135 page paper back $12

Computers by Long and Long
Large book with about 750 pages. Answers to problems included. Like new. $20

A Guide to Managing and Maintaining Your PC by Andrews
Sometimes used for A+ computer certification. About 750 pages, plus CD. Like new. $30

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

925. Switching power supply to feed dynamotor

Yahoo group: glowbugradio
Date: 2011-07-22 23:08:35 UTC
From: Hiroki
Topic: 925 Message: 925

I recently obtained a high current 14/28 v dc power supply with a view toward running my dynamotors for ARC 5 radios. It has correct voltages when I measure them with a multi meter when there is no load but when I connect an ARC 5 radio it drops from 14 to 1.3 v and the dynamotor does not turn. I have in the past used another 14v switching supply successfully. Any idea?

926. Re: [glowbugradio] Switching power supply to feed dynamotor

Yahoo group: glowbugradio
Date: 2011-07-22 23:57:31 UTC
From: Charles MacDonald
Topic: 925 Message: 926

On 11-07-22 07:08 PM, Hiroki wrote:
> I recently obtained a high current 14/28 v dc power supply with a view toward running my dynamotors for ARC 5 radios. It has correct voltages when I measure them with a multi meter when there is no load but when I connect an ARC 5 radio it drops from 14 to 1.3 v and the dynamotor does not turn. I have in the past used another 14v switching supply successfully. Any idea?
>

Do the Dynamotors turn freely? if they are stiff they woll draw a lot
of current. Can you borrow a pair of car batteries to check them?

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

927. Re: [glowbugradio] Switching power supply to feed dynamotor

Yahoo group: glowbugradio
Date: 2011-07-23 01:30:07 UTC
From: Carl
Topic: 925 Message: 927

Hang a real big cap on the PS output, maybe 100,000uF or more. The starting current of that motor is almost a dead short to the PS so you need some energy storage.

Carl
KM1H

----- Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com
Cc: Hiroki
Sent: Friday, July 22, 2011 7:57 PM
Subject: Re: [glowbugradio] Switching power supply to feed dynamotor

On 11-07-22 07:08 PM, Hiroki wrote:
> I recently obtained a high current 14/28 v dc power supply with a view toward running my dynamotors for ARC 5 radios. It has correct voltages when I measure them with a multi meter when there is no load but when I connect an ARC 5 radio it drops from 14 to 1.3 v and the dynamotor does not turn. I have in the past used another 14v switching supply successfully. Any idea?
>

Do the Dynamotors turn freely? if they are stiff they woll draw a lot
of current. Can you borrow a pair of car batteries to check them?

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1390 / Virus Database: 1518/3782 - Release Date: 07/22/11

928. Re: [glowbugradio] Switching power supply to feed dynamotor

Yahoo group: glowbugradio
Date: 2011-07-23 16:41:03 UTC
From: Rod Hogg
Topic: 925 Message: 928

As Carl stated, the dynamotor looks like a dead short to the supply and it is folding back to protect it. A rather large capacitor might be your answer, if it is not available, a medium sized sealed lead acid cell can also be used. 7Ah or such. Really wouldn't have to be a real good one, just so is not shorted. Many can be found out of small UPS supplies, security lights, etc. If you have a hospital close, they change them out regularly, needed or not, just for security. You might want to add a current limiting resistor to avoid overcharging if you leave it hooked up all the time.

Oh and was asked, does the dynamotor turn freely or run OK on say a car battery?

Rod
KØEQH

--- On Fri, 7/22/11, Hiroki <hiroki@...> wrote:

From: Hiroki <hiroki@...t>
Subject: [glowbugradio] Switching power supply to feed dynamotor
To: glowbugradio@yahoogroups.com
Date: Friday, July 22, 2011, 6:08 PM

I recently obtained a high current 14/28 v dc power supply with a view toward running my dynamotors for ARC 5 radios. It has correct voltages when I measure them with a multi meter when there is no load but when I connect an ARC 5 radio it drops from 14 to 1.3 v and the dynamotor does not turn. I have in the past used another 14v switching supply successfully. Any idea?

929. Switching power supply

Yahoo group: glowbugradio
Date: 2011-07-23 16:45:45 UTC
From: Kenneth G. Gordon
Topic: 929 Message: 929

I like Carl's VERY large capacitor idea best: less mess.

Ken W7EKB

930. CAT5E CABLE 4 SALE

Yahoo group: glowbugradio
Date: 2011-07-23 22:14:56 UTC
From: K0DAN
Topic: 930 Message: 930

I have a 300' spool of new/unused direct-burial CAT5E (350 Mhz) wire. Nice stuff, UV, IR, and water proof, black jacket, outside plant type. In addition to LAN wiring, will also make great rotor cable, source for ground radials, etc. Cable is imprinted with: Teldor 8393204101 4x2x24# FTP TIA/EIA-568A-5 CAT5E outdoor UV/FR cable CMX UL 444 listed E211498. $45 + shipping. If interested please contact me off list.
73
Dan
k0dan@...

931. Re: [glowbugradio] Switching power supply to feed dynamotor

Yahoo group: glowbugradio
Date: 2011-07-24 00:10:45 UTC
From: Hiroki Kato
Topic: 925 Message: 931

Hi Rod, Carl, Charles et al,

Thanks for all your suggestions. I will try one by one until I get the thing going.
Rod, what kind of current limiting resistor would you suggest to insert in series with the battery if I am to use a 7 amp gell cell? I also have a 2 amp gell cell. Would that be too small for the purpose? Could it explode? I am a chicken when it comes to batteries, having had some bad experience.

Thanks to all again. Please keep more ideas coming. I am learning a lot.

Hiroki AH6CY

Sent from my iPad

On Jul 23, 2011, at 9:41 AM, Rod Hogg <radio1rod@...> wrote:

> As Carl stated, the dynamotor looks like a dead short to the supply and it is folding back to protect it. A rather large capacitor might be your answer, if it is not available, a medium sized sealed lead acid cell can also be used. 7Ah or such. Really wouldn't have to be a real good one, just so is not shorted. Many can be found out of small UPS supplies, security lights, etc. If you have a hospital close, they change them out regularly, needed or not, just for security. You might want to add a current limiting resistor to avoid overcharging if you leave it hooked up all the time.
>
> Oh and was asked, does the dynamotor turn freely or run OK on say a car battery?
>
> Rod
> KØEQH
>
>
> --- On Fri, 7/22/11, Hiroki <hiroki@...> wrote:
>
> From: Hiroki <hiroki@...>
> Subject: [glowbugradio] Switching power supply to feed dynamotor
> To: glowbugradio@yahoogroups.com
> Date: Friday, July 22, 2011, 6:08 PM
>
>
> I recently obtained a high current 14/28 v dc power supply with a view toward running my dynamotors for ARC 5 radios. It has correct voltages when I measure them with a multi meter when there is no load but when I connect an ARC 5 radio it drops from 14 to 1.3 v and the dynamotor does not turn. I have in the past used another 14v switching supply successfully. Any idea?
>
>

932. Gonset G-63 Receiver

Yahoo group: glowbugradio
Date: 2011-07-25 17:45:49 UTC
From: John Ruccolo
Topic: 932 Message: 932

Hi Folks,

At a recent hamfest I picked up a very dirty (and cheap!) Gonset G-63 HF ham-bands-only receiver. I had never seen one before. It's not really a novice-grade unit (like a Heath HR-10), since it's dual conversion and has a cool drum dial. It had been sitting in someone's garage for decades.

Does anyone have any memories or impressions of this oddball receiver?

73,

John

933. RE: [glowbugradio] Gonset G-63 Receiver

Yahoo group: glowbugradio
Date: 2011-07-25 18:13:53 UTC
From: D C *Mac* Macdonald
Topic: 932 Message: 933

Here are several sites to check.

http://members.cox.net/n4jk/g63.htm

http://www.eham.net/reviews/detail/8275

http://www.antiqueradios.com/forums/viewtopic.php?f=5&t=167508

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
CC: hiroki@pacbell.net
From: jr6v6gt@...
Date: Mon, 25 Jul 2011 10:45:49 -0700
Subject: [glowbugradio] Gonset G-63 Receiver

Hi Folks,

At a recent hamfest I picked up a very dirty (and cheap!) Gonset G-63 HF ham-bands-only receiver. I had never seen one before. It's not really a novice-grade unit (like a Heath HR-10), since it's dual conversion and has a cool drum dial. It had been sitting in someone's garage for decades.

Does anyone have any memories or impressions of this oddball receiver?

73,

John

934. Re: Switching power supply to feed dynamotor

Yahoo group: glowbugradio
Date: 2011-07-26 03:53:14 UTC
From: Hiroki
Topic: 925 Message: 934

Rod, et al,

It worked! I used a 2 amp 12 v gell cell battery connected in parallel to the dynamotor. The dynamotor is running smoothly and the ARC 5 receiver is working well. I am waiting for the shipment of 100000 mf to try that approach, too.

Rod what is the right value for the current limiting resistor if I want to leave the battery on all the time?

Hiroki AH6CY

--- In glowbugradio@yahoogroups.com, Rod Hogg <radio1rod@...> wrote:
>
> As Carl stated, the dynamotor looks like a dead short to the supply and it is folding back to protect it.Â A rather large capacitor might be your answer, if it is not available, a medium sized sealed lead acid cell can also be used.Â 7Ah or such.Â Really wouldn't have to be a real good one, just so is not shorted.Â Many can be found out of small UPS supplies, security lights, etc. Â If you have a hospital close, they change them out regularly, needed or not, just for security.Â You might want to add a current limiting resistor to avoid overcharging if you leave it hooked up all the time.
> Â
> Oh and was asked, does the dynamotor turn freely or run OK on say a car battery?
> Â
> Rod
> KÃ□EQH
>
>
> --- On Fri, 7/22/11, Hiroki <hiroki@...> wrote:
>
>
> From: Hiroki <hiroki@...>
> Subject: [glowbugradio] Switching power supply to feed dynamotor
> To: glowbugradio@yahoogroups.com
> Date: Friday, July 22, 2011, 6:08 PM
>
>
> Â
>
>
>
> I recently obtained a high current 14/28 v dc power supply with a view toward running my dynamotors for ARC 5 radios. It has correct voltages when I measure them with a multi meter when there is no load but when I connect an ARC 5 radio it drops from 14 to 1.3 v and the dynamotor does not turn. I have in the past used another 14v switching supply successfully. Any idea?
>

935. Re: [glowbugradio] Gonset G-63 Receiver

Yahoo group: glowbugradio
Date: 2011-07-26 17:28:48 UTC
From: John Ruccolo
Topic: 932 Message: 935

Hi Mac,

Thanks for your reply! I saw the first two sites already -- for the third I get this error:

>User antiquer_phpb1 already has more than 'max_user_connections' active connections [1203]
>An sql error occurred while fetching this page. Please contact an administrator if this problem persists.

Ugh! This reminds me of work! ;-)

I was wondering if anyone had any experience using the G-63 "back in the day." I guess not....apparently not a very big seller. In general, I don't think Gonet's HF equipment sold real well. But they sold a *lot* of Communicators....

73,

John

From: D C *Mac* Macdonald <k2gkk@...>
To: Glowbug Radio <glowbugradio@yahoogroups.com>
Cc: hiroki@...
Sent: Monday, July 25, 2011 2:13 PM
Subject: RE: [glowbugradio] Gonset G-63 Receiver

Here are several sites to check.

http://members.cox.net/n4jk/g63.htm

http://www.eham.net/reviews/detail/8275

http://www.antiqueradios.com/forums/viewtopic.php?f=5&t=167508

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
CC: hiroki@...
From: jr6v6gt@...m
Date: Mon, 25 Jul 2011 10:45:49 -0700
Subject: [glowbugradio] Gonset G-63 Receiver

Hi Folks,

At a recent hamfest I picked up a very dirty (and cheap!) Gonset G-63 HF ham-bands-only receiver. I had never seen one before. It's not really a novice-grade unit (like a Heath HR-10), since it's dual conversion and has a cool drum dial. It had been sitting in someone's garage for decades.

Does anyone have any memories or impressions of this oddball receiver?

73,

John

936. WTD: Wirewound resistors

Yahoo group: glowbugradio
Date: 2011-07-31 13:28:35 UTC
From: geoff8122
Topic: 936 Message: 936

I need an adjustable 20-25K 50W or a fixed 10-15K and adjustable 10K both at 50W.

Size is restricted so 100W is too big and 4" long is the limit.

Carl
KM1H

937. Re: [glowbugradio] WTD: Wirewound resistors

Yahoo group: glowbugradio
Date: 2011-07-31 16:27:07 UTC
From: Kenneth G. Gordon
Topic: 936 Message: 937

On 31 Jul 2011 at 13:28, geoff8122 wrote:

> I need an adjustable 20-25K 50W or a fixed 10-15K and adjustable 10K
> both at 50W.
>
> Size is restricted so 100W is too big and 4" long is the limit.

I may have that. Will check and get back with you later today.

Ken W7EKB

938. 20K 50 watts adjustable

Yahoo group: glowbugradio
Date: 2011-07-31 21:39:19 UTC
From: Kenneth G. Gordon
Topic: 938 Message: 938

I have two. NIB. One, a green Clarostat, has the "slider", one, a brown Ohmite, doesn't.

I also have one Ohmite 10K 50W adjustable, NIB, no slider.

Ken W7EKB

939. Don Reeves W5OR whereabouts.

Yahoo group: glowbugradio
Date: 2011-08-06 20:16:54 UTC
From: Kenneth G. Gordon
Topic: 939 Message: 939

Does anyone here know where Don moved, or if he is still alive?

He is no longer in Little Rock, AK, and although his website (www.militaryradio.com) is still
up, neither of the two e-mail addresses, nor the two telephone numbers listed on that site are
his.

Not even his arrl.net e-mail address is still active.

This makes me wonder if he died.

The reason I would like to contact him is that I have at least two manuals he listed on his website as needing.

Ken W7EKB

940. Re: [glowbugradio] Don Reeves W5OR whereabouts.

Yahoo group: glowbugradio
Date: 2011-08-06 20:32:49 UTC
From: Jim Isbell, W5JAI
Topic: 939 Message: 940

The latest addition to this website was on July 24th of this year, just a
week ago, so it is being maintained by somebody.

Jim Isbell
TheFreeRepublic.Blogstream.com
www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
www.youtube.com/watch?v=dyjJ3Fw0nSQ
www.facebook.com/pages/Trinity-Base-in-Defense-of-our-Republic/113905168677365?v=wall
www.facebook.com/profile.php?id=100000010609777
www.AmericanMajority.org
www.redstate.com
TheFreeRepublic2.blogspot.com

*Beware the man who only carries one gun. HE PROBABLY KNOWS HOW TO USE IT!!!
*

On Sat, Aug 6, 2011 at 3:16 PM, Kenneth G. Gordon
<kgordon2006@...>wrote:

> **
>
>
> Does anyone here know where Don moved, or if he is still alive?
>
> He is no longer in Little Rock, AK, and although his website (
> www.militaryradio.com) is still
> up, neither of the two e-mail addresses, nor the two telephone numbers
> listed on that site are
> his.
>
> Not even his arrl.net e-mail address is still active.
>
> This makes me wonder if he died.
>
> The reason I would like to contact him is that I have at least two manuals
> he listed on his
> website as needing.
>
> Ken W7EKB
>
>

941. Re: [glowbugradio] Don Reeves W5OR whereabouts.

Yahoo group: glowbugradio
Date: 2011-08-06 20:48:32 UTC
From: Robert Nickels
Topic: 939 Message: 941

On 8/6/2011 3:16 PM, Kenneth G. Gordon wrote:
>
> He is no longer in Little Rock, AK

Hi Ken,

Did you check Little Rock AR?

Last post from him in my Trash folder showed his email address to be donreaves@.... This was in early June.

Hope this helps,

73, Bob W9RAN

942. Re: [glowbugradio] Don Reeves W5OR whereabouts.

Yahoo group: glowbugradio
Date: 2011-08-06 22:47:00 UTC
From: Kenneth G. Gordon
Topic: 939 Message: 942

On 6 Aug 2011 at 15:48, Robert Nickels wrote:

> On 8/6/2011 3:16 PM, Kenneth G. Gordon wrote:
> >
> > He is no longer in Little Rock, AK
>
> Hi Ken,
>
> Did you check Little Rock AR?

Oops. Yes. I did. I wrote AK for AR above.

> Last post from him in my Trash folder showed his email address to be
> donreaves@.... This was in early June.

OK. I'll give that one a try. Thanks!

vy 73,

Ken W7EKB

943. Stoddart equipment...

Yahoo group: glowbugradio
Date: 2011-08-07 02:03:11 UTC
From: Kenneth G. Gordon
Topic: 943 Message: 943

I have been taking inventory of the Stoddart equipment I have here, and have decided that I no longer need at least 90% of it.

I have NM-20s, NM-10s, NM-52s, NM-50, NM-30, NM-40-something, URM-6, URM-106, AN/PRM-1, TS-587/U, power-supplies, antennas, loops, cables, tables, tripods, carrying-cases, manuals, etc.

I also have two TS-186 "frequency meters" which cover 100 to 10,000 Mhz.

I realize that all of the above are "old", but at least they are reasonably impervious to EMP.

Might anyone have any suggestions about disposal?

Ken Gordon W7EKB

944. Re: [glowbugradio] Stoddart equipment...

Yahoo group: glowbugradio
Date: 2011-08-07 02:10:21 UTC
From: Theosleaper
Topic: 943 Message: 944

Hey Ken,
If you give it to the FCC, maybe they can use it to clean up some of the Ham bands.
Seems to me that I was running some RFI tests on the Apollo Command Module and L.E.M. using Stoddart equipment back in the middle 1960's at the M.I.T. Insrumentation Laboratory now Draper Labs.
Rick, K1WYH

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Saturday, August 06, 2011 10:03 PM
Subject: [glowbugradio] Stoddart equipment...

I have been taking inventory of the Stoddart equipment I have here, and have decided that I no longer need at least 90% of it.

I have NM-20s, NM-10s, NM-52s, NM-50, NM-30, NM-40-something, URM-6, URM-106, AN/PRM-1, TS-587/U, power-supplies, antennas, loops, cables, tables, tripods, carrying-cases, manuals, etc.

I also have two TS-186 "frequency meters" which cover 100 to 10,000 Mhz.

I realize that all of the above are "old", but at least they are reasonably impervious to EMP.

Might anyone have any suggestions about disposal?

Ken Gordon W7EKB

945. Re: Stoddart equipment...

Yahoo group: glowbugradio
Date: 2011-08-07 02:12:06 UTC
From: Tracy Walters
Topic: 943 Message: 945

Hey Ken,

If shipping was not so expensive I would gladly let you dispose of it in my dumpster.

Tracy N1RKT

946. Re: [glowbugradio] Stoddart equipment...

Yahoo group: glowbugradio
Date: 2011-08-07 02:57:47 UTC
From: Jim
Topic: 943 Message: 946

Well, my back yard is always willing to accept new acquisitions, but getting it to Texas might be an issue.
Jim N6OTQ

--- On Sat, 8/6/11, Kenneth G. Gordon <kgordon2006@...> wrote:

From: Kenneth G. Gordon <kgordon2006@...>
Subject: [glowbugradio] Stoddart equipment...
To: Glowbugradio@yahoogroups.com
Date: Saturday, August 6, 2011, 9:03 PM

I have been taking inventory of the Stoddart equipment I have here, and have decided that I no longer need at least 90% of it.

I have NM-20s, NM-10s, NM-52s, NM-50, NM-30, NM-40-something, URM-6, URM-106, AN/PRM-1, TS-587/U, power-supplies, antennas, loops, cables, tables, tripods, carrying-cases, manuals, etc.

I also have two TS-186 "frequency meters" which cover 100 to 10,000 Mhz.

I realize that all of the above are "old", but at least they are reasonably impervious to EMP.

Might anyone have any suggestions about disposal?

Ken Gordon W7EKB

947. Re: [glowbugradio] Stoddart equipment...

Yahoo group: glowbugradio
Date: 2011-08-08 00:53:28 UTC
From: Kenneth G. Gordon
Topic: 943 Message: 947

On 6 Aug 2011 at 19:57, Jim wrote:

> Well, my back yard is always willing to accept new acquisitions, but
> getting it to Texas might be an issue. Jim N6OTQ

Gee, thanks, youse guys! :-)

I think I'll hang onto it for a bit.

Ken W7EKB

948. WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-08 18:55:46 UTC
From: Carl
Topic: 948 Message: 948

I need 10VCT @ 5A, preferably a small open frame type.

Carl
KM1H

949. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-08 19:04:24 UTC
From: Ronnie Hull
Topic: 948 Message: 949

I have one carl. You have done me enough favors, its yours. I'll try to ship it tomorrow

Ronnie

950. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-08 19:19:47 UTC
From: Kenneth G. Gordon
Topic: 948 Message: 950

On 8 Aug 2011 at 14:55, Carl wrote:

> I need 10VCT @ 5A, preferably a small open frame type.

What spec on insulation? 10KV?

Ken W7EKB

951. Re: [glowbugradio] Don Reeves W5OR whereabouts.

Yahoo group: glowbugradio
Date: 2011-08-08 19:31:21 UTC
From: Gordon Smith
Topic: 939 Message: 951

Hi Ken,
Try contacting him via his Ebay sellers name. The name is: reatek

He currently has two auctions up on ebay. Here is the link to one of them: http://cgi.ebay.com/US-NAVY-CG-23ABJ-Remote-Control-Unit-ABA-1-/180704857456?pt=LH_DefaultDomain_0&hash=item2a12d94d70

Hope this helps,

Gordon KJ6IKT

From: Kenneth G. Gordon <kgordon2006@...>
To: Glowbugradio@yahoogroups.com
Sent: Saturday, August 6, 2011 1:16 PM
Subject: [glowbugradio] Don Reeves W5OR whereabouts.

Does anyone here know where Don moved, or if he is still alive?

He is no longer in Little Rock, AK, and although his website (www.militaryradio.com) is still
up, neither of the two e-mail addresses, nor the two telephone numbers listed on that site are
his.

Not even his arrl.net e-mail address is still active.

This makes me wonder if he died.

The reason I would like to contact him is that I have at least two manuals he listed on his website as needing.

Ken W7EKB

952. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-09 01:31:24 UTC
From: Carl
Topic: 948 Message: 952

Thanks Ronnie I appreciate it, my address hasnt changed for decades.

Carl

----- Original Message -----
From: Ronnie Hull
To: glowbugradio@yahoogroups.com
Sent: Monday, August 08, 2011 3:04 PM
Subject: Re: [glowbugradio] WTB 10V filament xfmr

I have one carl. You have done me enough favors, its yours. I'll try to ship it tomorrow

Ronnie

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1391 / Virus Database: 1520/3821 - Release Date: 08/08/11

953. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-09 07:57:51 UTC
From: Ronnie Hull
Topic: 948 Message: 953

ok so you are good in qrz. I'll ship it today! If you know of anyone that has a scrapper DX100 I need a full set of knobs, or as many as I can get, less the vfo knob which I already located. If you know of anyone please have them contact me.

thanks

Ronnie

954. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-09 13:52:26 UTC
From: Carl
Topic: 948 Message: 954

Great. I'll keep my eyes open for DX-100 knobs but my next hamfest raid isnt until mid October.

Check the AM forums also.

Carl

----- Original Message -----
From: Ronnie Hull
To: glowbugradio@yahoogroups.com
Sent: Tuesday, August 09, 2011 3:57 AM
Subject: Re: [glowbugradio] WTB 10V filament xfmr

ok so you are good in qrz. I'll ship it today! If you know of anyone that has a scrapper DX100 I need a full set of knobs, or as many as I can get, less the vfo knob which I already located. If you know of anyone please have them contact me.

thanks

Ronnie

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1391 / Virus Database: 1520/3821 - Release Date: 08/08/11

955. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-10 10:14:07 UTC
From: Ronnie Hull
Topic: 948 Message: 955

ups tracking number is 1z 705 497 03 4698 8324

shipped her yesterday!!

73

Ronnie

956. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-10 13:36:49 UTC
From: Carl
Topic: 948 Message: 956

I cant wait!!

----- Original Message -----
From: Ronnie Hull
To: glowbugradio@yahoogroups.com
Sent: Wednesday, August 10, 2011 6:14 AM
Subject: Re: [glowbugradio] WTB 10V filament xfmr

ups tracking number is 1z 705 497 03 4698 8324

shipped her yesterday!!

73

Ronnie

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3824 - Release Date: 08/09/11

957. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-10 23:14:59 UTC
From: Ken
Topic: 948 Message: 957

Oh boy !!!

Now we can all track it...LOL

Ken
N4zed

----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Wednesday, August 10, 2011 9:36 AM
Subject: Re: [glowbugradio] WTB 10V filament xfmr

I cant wait!!

----- Original Message -----
From: Ronnie Hull
To: glowbugradio@yahoogroups.com
Sent: Wednesday, August 10, 2011 6:14 AM
Subject: Re: [glowbugradio] WTB 10V filament xfmr

ups tracking number is 1z 705 497 03 4698 8324

shipped her yesterday!!

73

Ronnie

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3824 - Release Date: 08/09/11

958. Re: [glowbugradio] WTB 10V filament xfmr

Yahoo group: glowbugradio
Date: 2011-08-11 01:49:11 UTC
From: Ronnie Hull
Topic: 948 Message: 958

yeah didn't realize it went to the entire list LOL.. well .. shoot me!

959. Circuit Breaker Help.

Yahoo group: glowbugradio
Date: 2011-08-12 19:31:44 UTC
From: mac
Topic: 959 Message: 959

We are restoring a BC-669D (SCR-543D) Radio at the Ft. MacArthur Museum in San Pedro, CA. and are in need of one (or more) Klixon C-6363, 4 amp AC circuit breakers. Three of these units are used in the PE-110D power supply for the unit and the bakelite handle on one of the breakers in our PS is broken off. Earlier PE-110s (A, B & C) used fuses but ERL switched to the use of breakers in their later SCR-543 models (or at least in the PE-110 we have).

Pix available on request.

Any and all help much appreciated.

Dennis D. W7QHO
Glendale, CA

960. AC line-bypass capacitors

Yahoo group: glowbugradio
Date: 2011-09-01 00:28:13 UTC
From: Kenneth G. Gordon
Topic: 960 Message: 960

OK. I have forgotten what specifications are required for a capacitor that will be used to bypass the AC line. Either across the hot and neutral, or both sides to ground.

I need to block RF from getting into an audio amp through the AC line cord.

Anyone?

Ken Gordon W7EKB

961. Re: [glowbugradio] AC line-bypass capacitors

Yahoo group: glowbugradio
Date: 2011-09-01 00:54:59 UTC
From: Carl
Topic: 960 Message: 961

A .01 from both sides of the line to ground, and a .1 between the two. Use recognized safety caps.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, August 31, 2011 8:28 PM
Subject: [glowbugradio] AC line-bypass capacitors

OK. I have forgotten what specifications are required for a capacitor that will be used to bypass the AC line. Either across the hot and neutral, or both sides to ground.

I need to block RF from getting into an audio amp through the AC line cord.

Anyone?

Ken Gordon W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3868 - Release Date: 08/30/11

962. Re: [glowbugradio] AC line-bypass capacitors

Yahoo group: glowbugradio
Date: 2011-09-01 01:20:16 UTC
From: Charles MacDonald
Topic: 960 Message: 962

On 11-08-31 08:28 PM, Kenneth G. Gordon wrote:
> OK. I have forgotten what specifications are required for a capacitor that will be used to
> bypass the AC line. Either across the hot and neutral, or both sides to ground.
>
> I need to block RF from getting into an audio amp through the AC line cord.

Just radios has a bit about them on his site..

http://www.justradios.com

Looks for the page on "safety Caps"
http://www.justradios.com/safetytips.html

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

963. RE: [glowbugradio] AC line-bypass capacitors

Yahoo group: glowbugradio
Date: 2011-09-01 08:26:09 UTC
From: Tidak Ada
Topic: 960 Message: 963

Best is X2 rated film capacitors at an AC rating of at least 275V for 115V lines or at least 630V AC for 230/240V lines

[http://www.justradios.com/X2capacitors.html]

eric

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: donderdag 1 september 2011 2:28
To: Glowbugradio@yahoogroups.com
Subject: [glowbugradio] AC line-bypass capacitors

OK. I have forgotten what specifications are required for a capacitor that will be used to
bypass the AC line. Either across the hot and neutral, or both sides to ground.

I need to block RF from getting into an audio amp through the AC line cord.

Anyone?

Ken Gordon W7EKB

964. Re: [glowbugradio] AC line-bypass capacitors

Yahoo group: glowbugradio
Date: 2011-09-01 12:46:48 UTC
From: Carl
Topic: 960 Message: 964

X2 and Y2 depending upon application.

There are now caps that are rated for both.

Carl
KM1H

----- Original Message -----
From: Tidak Ada
To: glowbugradio@yahoogroups.com
Sent: Thursday, September 01, 2011 4:26 AM
Subject: RE: [glowbugradio] AC line-bypass capacitors

Best is X2 rated film capacitors at an AC rating of at least 275V for 115V lines or at least 630V AC for 230/240V lines

[http://www.justradios.com/X2capacitors.html]

eric

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: donderdag 1 september 2011 2:28
To: Glowbugradio@yahoogroups.com
Subject: [glowbugradio] AC line-bypass capacitors

OK. I have forgotten what specifications are required for a capacitor that will be used to bypass the AC line. Either across the hot and neutral, or both sides to ground.

I need to block RF from getting into an audio amp through the AC line cord.

Anyone?

Ken Gordon W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3868 - Release Date: 08/30/11

965. WTB; WRL Globe Scout 40A, 65, or 65A

Yahoo group: glowbugradio
Date: 2011-09-04 00:08:53 UTC
From: Pigman
Topic: 965 Message: 965

I had a 40A as a kid and want to restore a couple of them. When finsihed, I want to wind up with a couple good looking working examples of the itansmitter. I'd be interested in a nice looking one as well as a beat up one provided it is all there unless it would be a parts radio.

If anyone can help, please contact me.

Thanks,

Lee, w0vt
pulsarxp@...

966. All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 18:01:10 UTC
From: Kenneth G. Gordon
Topic: 966 Message: 966

Does anyone know of an all-metal dual-triode, OTHER THAN the 6N7?

This is for a special project.

I would like to find one, if possible, with separate cathodes. The 6N7 has a common cathode.

Power capability is not important.

Ken W7EKB

967. Re: [glowbugradio] All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 18:19:58 UTC
From: mac
Topic: 966 Message: 967

The 6SC7 is another metal twin triode but again a common cathode. Not enough pins on an octal base to do otherwise and still reserve one pin for the metal shell.

Dennis D. w7qho
Glendale, CA

Human beings are passionately attached to their beliefs by interests that have nothing to do with the truth.

****

On Sep 10, 2011, at 11:01 AM, Kenneth G. Gordon wrote:

> Does anyone know of an all-metal dual-triode, OTHER THAN the 6N7?
>
> This is for a special project.
>
> I would like to find one, if possible, with separate cathodes. The
> 6N7 has a common cathode.
>
> Power capability is not important.
>
> Ken W7EKB
>

968. Re: [glowbugradio] All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 18:21:49 UTC
From: N2EY@aol.com
Topic: 966 Message: 968

In a message dated 9/10/2011 2:01:13 P.M. Eastern Daylight Time,
kgordon2006@... writes:

>Does anyone know of an all-metal dual-triode, OTHER THAN the 6N7?

>This is for a special project.

>I would like to find one, if possible, with separate cathodes.

You won't, Ken. Here's why:

A dual triode needs 3 pins per triode - total 6.

Add 2 for the heater - total 8

That leaves no pin for the metal shell, and they always had a pin for the
shell.

They could have connected the shell to one of the heater pins, but that
just wasn't done back-when. They could have brought one of the grids to a top
cap, as was done in the 6F8G, but they didn't do that either.

Sorry.

73 de Jim, N2EY

969. Re: [glowbugradio] All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 18:49:46 UTC
From: Kenneth G. Gordon
Topic: 966 Message: 969

On 10 Sep 2011 at 14:21, N2EY@... wrote:

> You won't, Ken. Here's why:
>
> A dual triode needs 3 pins per triode - total 6.
>
> Add 2 for the heater - total 8
>
> That leaves no pin for the metal shell, and they always had a pin for the shell.
>
> They could have connected the shell to one of the heater pins, but that just wasn't done
> back-when. They could have brought one of the grids to a top cap, as was done in the
> 6F8G, but they didn't do that either.
>
> Sorry.
>
> 73 de Jim, N2EY

Oh, poop. Yes. I figured as much, but was hoping someone made one with a top-cap like the 6K7.

Rats!

Well, thanks youse guys. Guess I'll have to use a pair of 6J5s or 6C5s.

vy 73,

Ken W7EKB

970. Re: [glowbugradio] All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 21:06:03 UTC
From: Carl
Topic: 966 Message: 970

Since the grandaddy was the 53 followed by the 6A6, RCA didnt feel the need to change anything for the 6N7. Same tube different package. There is also a 6N7G and GT.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: N2EY@...
Cc: glowbugradio@yahoogroups.com
Sent: Saturday, September 10, 2011 2:49 PM
Subject: Re: [glowbugradio] All-metal dual-triode?

On 10 Sep 2011 at 14:21, N2EY@... wrote:

> You won't, Ken. Here's why:
>
> A dual triode needs 3 pins per triode - total 6.
>
> Add 2 for the heater - total 8
>
> That leaves no pin for the metal shell, and they always had a pin for the shell.
>
> They could have connected the shell to one of the heater pins, but that just wasn't done
> back-when. They could have brought one of the grids to a top cap, as was done in the
> 6F8G, but they didn't do that either.
>
> Sorry.
>
> 73 de Jim, N2EY

Oh, poop. Yes. I figured as much, but was hoping someone made one with a top-cap like the 6K7.

Rats!

Well, thanks youse guys. Guess I'll have to use a pair of 6J5s or 6C5s.

vy 73,

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3888 - Release Date: 09/10/11

971. Re: [glowbugradio] All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 21:27:32 UTC
From: ve7sl@shaw.ca
Topic: 966 Message: 971

Is the 6A6 glass only?

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

972. Re: [glowbugradio] All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 22:06:04 UTC
From: Carl
Topic: 966 Message: 972

Yes, an ST-14 bulb and 7 pin base, identical to the 53 and a GT wasnt built either.

Carl

----- Original Message -----
From: ve7sl@...
To: glowbugradio@yahoogroups.com
Sent: Saturday, September 10, 2011 5:27 PM
Subject: Re: [glowbugradio] All-metal dual-triode?

Is the 6A6 glass only?

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

---

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3888 - Release Date: 09/10/11

973. Re: [glowbugradio] All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 22:48:18 UTC
From: ve7sl@shaw.ca
Topic: 966 Message: 973

> Is the 6A6 glass only?

>Yes, an ST-14 bulb and 7 pin base, identical to the 53 and a GT wasnt built
>either.

Thanks Carl - just as well as the ST-14 is so much prettier-looking!

Steve / 73

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

---

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3888 - Release Date: 09/10/11

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

974. Re: [glowbugradio] All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-10 22:58:23 UTC
From: Charles MacDonald
Topic: 966 Message: 974

On 11-09-10 02:21 PM, N2EY@... wrote:
> A dual triode needs 3 pins per triode - total 6.
> Add 2 for the heater - total 8
> That leaves no pin for the metal shell, and they always had a pin for
> the shell.

Which in a round about way proably explains the numbering of the 6SL7
and 6SN7 which are in the "metal tube" series, but come in glass only.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://www.TelecomOttawa.net/~cmacd/
No Microsoft Products were used in sending this e-mail.

975. Re: All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-11 02:22:55 UTC
From: davidpnewkirk
Topic: 966 Message: 975

--- In glowbugradio@yahoogroups.com, Charles MacDonald <aa508@...> wrote:

> Which in a round about way proably explains the numbering of the 6SL7
> and 6SN7 which are in the "metal tube" series, but come in glass only.

I wouldn't so much say that those tubes are in a "metal tube" series; rather, they're in the single-ended (no grid cap) series--that's why the S. The xSL7 and xSN7 were evolutionary for a different reason: They were examples of basing with heater connections adjacent (pins 7 and 8 rather than the years-standard 2 and 7), which allowed heater wiring to stay twisted (for better hum-induction cancellation with ac heater drive) right up to the heater terminals instead of necessitating untwisting the pair around the socket to hit 2 and 7.

Best regards,

Dave
amateur radio W9VES

976. RE: [glowbugradio] Re: All-metal dual-triode?

Yahoo group: glowbugradio
Date: 2011-09-11 15:58:58 UTC
From: D C *Mac* Macdonald
Topic: 966 Message: 976

Thank you, Dave, for that explanation; for both the "S" designation _AND_ the neighboring pin filament change!
* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: david.newkirk@...
Date: Sun, 11 Sep 2011 02:22:55 +0000
Subject: [glowbugradio] Re: All-metal dual-triode?

--- In glowbugradio@yahoogroups.com, Charles MacDonald <aa508@...> wrote:

> Which in a round about way proably explains the numbering of the 6SL7

> and 6SN7 which are in the "metal tube" series, but come in glass only.

I wouldn't so much say that those tubes are in a "metal tube" series; rather, they're in the single-ended (no grid cap) series--that's why the S. The xSL7 and xSN7 were evolutionary for a different reason: They were examples of basing with heater connections adjacent (pins 7 and 8 rather than the years-standard 2 and 7), which allowed heater wiring to stay twisted (for better hum-induction cancellation with ac heater drive) right up to the heater terminals instead of necessitating untwisting the pair around the socket to hit 2 and 7.

Best regards,

Dave

amateur radio W9VES

.

977. 7-Drifty-3

Yahoo group: glowbugradio
Date: 2011-09-25 01:26:30 UTC
From: n1rkt
Topic: 977 Message: 977

Hi all,

Trying to find the assembly manual for Eico 753, I have the operating manual. Hard copy or PDF what ever is available. Please email me off list.

Tnx,

Tracy N1RKT

n1rkt@...

978. WTB: Heathkit DX-100 Front Panel

Yahoo group: glowbugradio
Date: 2011-10-23 05:57:07 UTC
From: Pigman
Topic: 978 Message: 978

I am restoring an old Heathkit DX-100 and need a nice looking front panel as mine is not the best. Is there anyone on here with one they could sell me?

Thanks,

Lee, w0vt
Houston, Texas

979. Re: WTB: Heathkit DX-100 Front Panel

Yahoo group: glowbugradio
Date: 2011-10-23 15:33:08 UTC
From: Pronto. (Military)
Topic: 978 Message: 979

There bis one on E-Pay right now
jim VE3DDY

--- In glowbugradio@yahoogroups.com, "Pigman" <pulsarxp@...> wrote:
>
> I am restoring an old Heathkit DX-100 and need a nice looking front panel as mine is not the best. Is there anyone on here with one they could sell me?
>
> Thanks,
>
> Lee, w0vt
> Houston, Texas
>

980. Re: Manual and info request.

Yahoo group: glowbugradio
Date: 2011-10-30 01:31:31 UTC
From: Kenneth G. Gordon
Topic: 960 Message: 980

I realize this is a VERY long shot, but might anyone have a schematic, or even a manual for the old Sierra Carrier Frequency Voltmeter Model 101B?

Secondly, I have a Collins mechanical filter here, for which I cannot find exact data. I have been all over the web, and this particular filter may be some sort of special one-off or something.

The following is on the first line: F 100 Z 2
Next line has: 4 V 2
Last line has: 526 9390 00

From what I can figure out so far, it is an SSB filter with a 100 Khz center frequency, and (I assume) a 2.0 Khz bandwidth.

Any help?

Ken W7EKB

Ken W7EKB

981. Re: [glowbugradio] Re: Manual and info request.

Yahoo group: glowbugradio
Date: 2011-10-30 02:45:09 UTC
From: mac
Topic: 960 Message: 981

SSB filer, 100KHz center but not necessarily 2KHz BW....

Dennis D. W7QHO
Glendale, CA

****
On Oct 29, 2011, at 6:31 PM, Kenneth G. Gordon wrote:

> The following is on the first line: F 100 Z 2
> Next line has: 4 V 2
> Last line has: 526 9390 00
>
> From what I can figure out so far, it is an SSB filter with a 100 Khz
> center frequency, and (I assume) a 2.0 Khz bandwidth.

982. Re: [glowbugradio] Re: Manual and info request.

Yahoo group: glowbugradio
Date: 2011-10-30 03:24:33 UTC
From: Kenneth G. Gordon
Topic: 960 Message: 982

On 29 Oct 2011 at 19:45, mac wrote:

> SSB filer, 100KHz center but not necessarily 2KHz BW....
>
> Dennis D. W7QHO
> Glendale, CA

OK. Thanks, Dennis. I have not been able to find any reference to this exact filter so far.

Ken W7EKB

983. More product detection for the two-triode product detector

Yahoo group: glowbugradio
Date: 2011-11-13 06:56:30 UTC
From: davidpnewkirk
Topic: 983 Message: 983

The synthetic-tetrode regenerative detector in my BG-3 Mix-Goodman receiver (http://mysite.verizon.net/dpnewkirk/ej/goodman_receiver/) was doing one little annoying thing that I just couldn't track down: When I muted the receiver during transmit, the receiver would slowly shift frequency a few tens of hertz. It happened slowly, like a slow yoop in a keyed crystal oscillator; it almost sounded like a thermal effect. Various efforts with better regulation and getting muting relays clear of the detector's powdered-iron-cored inductor didn't help a bit. I wanted my monitored transmitter signal to sound as good as it could.

As part of the effort to track down this shift, I slightly reworked one of my Crystalizers (http://mysite.verizon.net/dpnewkirk/ej/crystalizer/) to give me a 1700-kHz marker from a 3400-kHz crystal. I got more than just a marker: The Crystalizer, designed to cathode-drive three-stage tube transmitters, puts 200 mW into a 50-ohm load--enough power for BFO service. Hmm, that's 3.16 V rms--enough to turn on a 2N7000 FET wired as a cathode switch.

So I quickly rewired my two-triode synthetic-tetrode regenerative detector into that classic two-triode product detector--the one frm the 1950s and 1960s ARRL Handbooks--the one with the 820-ohm cathode resistor. I installed a 2N7000 between the 820-ohm resistor and ground, with a 100-ohm resistor from gate to ground as a load for the Crystalizer. (I decided to use a 100-ohm load instead of a 50-ohm loaded for the 1700-kHz source because I wanted to make sure that the BFO drive peaks would be high enough to fully turn on the 2N7000.)

The one change I made in the original product-detector circuit was to ground the grid of its second (output) triode for AF and RF. In the circuit's heyday, the BFO drove that grid; but in this version I was going to use the 2N7000 to switch *both* of the circuit's triodes on and off at a 1700-kHz rate.

Trying this circuit was just a lark; I expected little in the way of results as a product detector while more than half expecting to pop the 2N7000 gate as soon as I applied BFO drive.

Instead, I got a stellar simple product detector. There is *no* output from the circuit (other than some noise) when the BFO is turned off, and it sounds much more linear than the regenerative detector as I scan 80 and 40 with the BG-3. The only thing I need to add is better power-supply decoupling in and around the detector; with the decoupling that had worked perfectly up to full gain with the regenerative detector in place, I now encounter motorboating with the AF GAIN control turned up halfway to max. (The AF output at that AF-gain setting is more than sufficient, but sometimes I like to turn stuff up to "11.")

Wow. Now I'm thinking of putting a 2N7000 in the cathode of the set's 6AC7 mixer to see the same technique would work there with a beefed-up 5.2- to 5.7-MHz local oscillator.

Best regards,

Dave/W9VES

984. Re: [glowbugradio] More product detection for the two-triode product detector

Yahoo group: glowbugradio
Date: 2011-11-13 22:34:08 UTC
From: Kenneth G. Gordon
Topic: 983 Message: 984

On 13 Nov 2011 at 6:56, davidpnewkirk wrote:

> The synthetic-tetrode regenerative detector in my BG-3 Mix-Goodman
> receiver (http://mysite.verizon.net/dpnewkirk/ej/goodman_receiver/)
>
> (http://mysite.verizon.net/dpnewkirk/ej/crystalizer/)
> Best regards,
>
> Dave/W9VES

David:

This is VERY interesting and, I think, quite valuable. I am going to
have to do some serious studying.

In any case, I, for one, thank you very much for it.

vy 73,

Ken W7EKB

985. Re: [glowbugradio] More product detection for the two-triode product detector

Yahoo group: glowbugradio
Date: 2011-11-14 01:45:30 UTC
From: Kenneth G. Gordon
Topic: 983 Message: 985

BTW, Dave, I throughly enjoy your website.

Concerning crystal-oscillator transmitters, you might wish to look at this one:

http://www.w7ekb.com/glowbugs/tx/813osc/813osc.htm

300 watts input, 150 watts output, designed by RCA.

When I was a Novice and still living in Missoula, Montana, around 1957 or so, one of my Elmers, Woody Davey W7CJB, took me out to Hamilton, Montana to visit another older ham, Walt Polete, W7JIZ, who had built one of the above transmitters. He loved it. Walt was an old farmer, mostly bald, always wore striped bib-overalls, and always had a smile on his face. He talked somewhat slowly, and those who didn't know him, considered him to be "slow". He was FAR from "slow"! He was possibly one of the brightest "tinkerers" I ever knew. I learned a lot from him...and from Woody, God bless them both.

Recently, Jack Meadows W7QQQ built one of these. I have heard it on the air on both 80 and 40 meters, and it sounds beautiful.

I once mentioned on the OLD glowbugs list, during a discussion on crystal oscillator transmitters, that "...an old elmer of mine had built a 300 watt crystal-oscillator transmitter....". You should have heard the guffaws! No one could possibly build a crystal-oscillator greater than 50 watts input without cracking a crystal....until Boat Anchor Bob Keys found the article printed on the back page of a 1939 QST magazine.

Then they all shut up. ;-)

Ken W7EKB

986. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 03:16:43 UTC
From: Kenneth G. Gordon
Topic: 986 Message: 986

On 13 Nov 2011 at 18:38, mac wrote:

> Ken,
>
> Yes, used an 813. Circuit resurrected and written up in ER a while
> back.

Really?!? Do you know which issue?

Ken W7EKB

987. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 12:18:25 UTC
From: N2EY@aol.com
Topic: 986 Message: 987

I have the original RCA Ham Tips in pdf if anyone needs it.

See also:

http://www.eclipseofthechurch.org/w7ekb/glowbugs/tx/813osc/813osc.htm
(http://www.eclipseofthechurch.org/w7ekb/glowbugs/tx/813osc/813osc.htm)

http://www.qsl.net/kd7nrq/ (http://www.qsl.net/kd7nrq/)

73 de Jim, N2EY

In a message dated 11/13/2011 10:16:08 P.M. Eastern Standard Time,
kgordon2006@... writes:

On 13 Nov 2011 at 18:38, mac wrote:

> Ken,
>
> Yes, used an 813. Circuit resurrected and written up in ER a while
> back.

Really?!? Do you know which issue?

Ken W7EKB

988. RE: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 14:23:15 UTC
From: Tom Bridgers
Topic: 986 Message: 988

Good morning, Jim,
In Jason's 813 oscillator, I notice that in the tank circuit he uses a BC-610 PA coil, which has 2 sections of coil, with a 2 or 3 turn coil in the middle to which you attach a balanced feed line to the antenna. How do you connect a single 813 to a PA tank circuit that uses only one tuning capacitor and a coil that has 2 sections? For some reason it just isn't straight-forward to me as to how to do that.

Would appreciate it if you'd be willing to explain how to do that. I have several BC-610 type coils but I haven't attempted to use them because I don't know how to wire them up in a tank circuit.
Thanks,
-Tom

To: glowbugradio@yahoogroups.com; w7qho@...
From: N2EY@...
Date: Mon, 14 Nov 2011 07:18:25 -0500
Subject: Re: [glowbugradio] 813 crystal oscillator

I have the original RCA Ham Tips in pdf if anyone needs it.

See also:

http://www.eclipseofthechurch.org/w7ekb/glowbugs/tx/813osc/813osc.htm

http://www.qsl.net/kd7nrq/

73 de Jim, N2EY

In a message dated 11/13/2011 10:16:08 P.M. Eastern Standard Time, kgordon2006@... writes:

On 13 Nov 2011 at 18:38, mac wrote:

> Ken,
>
> Yes, used an 813. Circuit resurrected and written up in ER a while
> back.

Really?!? Do you know which issue?

Ken W7EKB

989. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 15:33:37 UTC
From: Carl
Topic: 986 Message: 989

It was also in a few 1939 QST's as an RCA ad. You need BIG crystals for this.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: mac
Cc: glowbugradio@yahoogroups.com
Sent: Sunday, November 13, 2011 10:16 PM
Subject: Re: [glowbugradio] 813 crystal oscillator

On 13 Nov 2011 at 18:38, mac wrote:

> Ken,
>
> Yes, used an 813. Circuit resurrected and written up in ER a while
> back.

Really?!? Do you know which issue?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4014 - Release Date: 11/13/11

990. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 18:06:28 UTC
From: Kenneth G. Gordon
Topic: 986 Message: 990

On 14 Nov 2011 at 10:33, Carl wrote:

> It was also in a few 1939 QST's as an RCA ad.

Yes. That is where I found it. It was also published in ane of those
RCA Ham Tips about that time. I have a scan of that up on my website.

> You need BIG crystals
> for this.

FT-243s have worked fine for those very few who have used it
recently. **I** was surprised by this, but it is a fact.

Ken W7EKB

991. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 18:16:45 UTC
From: Kenneth G. Gordon
Topic: 986 Message: 991

On 14 Nov 2011 at 7:18, N2EY@... wrote:

> I have the original RCA Ham Tips in pdf if anyone needs it.
>
> See also:
>
> _http://www.eclipseofthechurch.org/w7ekb/glowbugs/tx/813osc/813osc.htm
> _
> (http://www.eclipseofthechurch.org/w7ekb/glowbugs/tx/813osc/813osc.htm
>)
>
> _http://www.qsl.net/kd7nrq/_ (http://www.qsl.net/kd7nrq/)
>
> 73 de Jim, N2EY

Hey, Jim:

Use this URL for my site:

http://www.w7ekb.com/

and this one for the 813 rig:

http://www.w7ekb.com/glowbugs/tx/813osc/813osc.htm

I have that RCA Ham Tips scanned and made available as a PDF on that
site too.

BTW, I cannot get KD7NRQ's site to switch to his transmitter from
that site you gave above.

Not sure what is wrong yet.

vy 73,

Ken W7EKB

992. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 18:26:46 UTC
From: N2EY@aol.com
Topic: 986 Message: 992

"If it happens, it must be possible".

It occurred to me some time back that the issues of high crystal current in classic tx designs might be due to the use of low-gain oscillator tubes and/or the use of oscillator-multiplier circuits such as the Tri-Tet, Modified Pierce, and Grid-Plate (sometimes erroneously called the "crystal Colpitts"). Those circuits were popular because they meant a crystal could be used on multiple bands and/or a multiplier stage could be eliminated. But in such circuits the oscillating is done by the triode formed by the cathode, control grid and screen grid - which isn't all that high-gain of a setup.

But for a transmitter where multiplication isn't needed and a high-gain tube is used, the crystal current might be a lot lower.

See also:

http://www.qsl.net/kd7nrq/RCA63_71.pdf

Apparently RCA updated the design somewhat.

73 de Jim, N2EY.

-----Original Message-----
From: Kenneth G. Gordon <kgordon2006@...>

>FT-243s have worked fine for those very few who have used it
>recently. **I** was surprised by this, but it is a fact.

Ken W7EKB

993. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 18:39:56 UTC
From: Kenneth G. Gordon
Topic: 986 Message: 993

On 14 Nov 2011 at 9:23, Tom Bridgers wrote:

>
> Good morning, Jim,
> In Jason's 813 oscillator, I notice that in the tank circuit he uses a
> BC-610 PA coil, which has 2 sections of coil, with a 2 or 3 turn coil
> in the middle to which you attach a balanced feed line to the antenna.
> How do you connect a single 813 to a PA tank circuit that uses only
> one tuning capacitor and a coil that has 2 sections? For some reason
> it just isn't straight-forward to me as to how to do that.
>
> Would appreciate it if you'd be willing to explain how to do that. I
> have several BC-610 type coils but I haven't attempted to use them
> because I don't know how to wire them up in a tank circuit. Thanks,
> -Tom

Hello, Tom:

Those coils and the "included" split-stator tuning caps are simply connected in parallel and used as you would ordinarily use a single-section coil and single-section cap.

In their original use, each section was a separate tuned circuit while the midpoint was grounded for RF. The RF phase at the plate end of the combo was 180 degrees out of phase with the other end, and that other end was used to provide out-of-phase neutralizing feedback voltage.

This was how it was done in the BC-610 which has only one 250-TH in the final amp.

Ordinarily, the split-stator cap and dual-section coil would be used for a push-pull two-tube amp, with each section constituting the tuned circuit for that tube on that side of the combo with the midpoint grounded.

I hope that is clear?

Ken W7EKB

994. Re: [glowbugradio] More product detection for the two-triode product detector

Yahoo group: glowbugradio
Date: 2011-11-14 20:22:39 UTC
From: Don Sanders
Topic: 983 Message: 994

Yes, And they laughed at my version of the W3PHL super modulated AM rig
until they heard me working Dx with my 300 watts PEP TX. This was circa
1958 if I remember correctly. Been a few winters ago.
I also built a DSB and a phasing SSB transmitters for 2 meters back then.
Many said it could not be done. They forgot to tell me. Those and my
Redline para-amp into a 416B front end let me work lots of VHF DX.
Sure miss the AM roundtables on 80 meters. Well, I am on 10 meters AM.
Dr Don HC4/W4BWS

On Sun, Nov 13, 2011 at 8:45 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

> **
>
>
> BTW, Dave, I throughly enjoy your website.
>
> Concerning crystal-oscillator transmitters, you might wish to look at
> this one:
>
> http://www.w7ekb.com/glowbugs/tx/813osc/813osc.htm
>
> 300 watts input, 150 watts output, designed by RCA.
>
> When I was a Novice and still living in Missoula, Montana, around
> 1957 or so, one of my Elmers, Woody Davey W7CJB, took me out to
> Hamilton, Montana to visit another older ham, Walt Polete, W7JIZ, who
> had built one of the above transmitters. He loved it. Walt was an old
> farmer, mostly bald, always wore striped bib-overalls, and always had
> a smile on his face. He talked somewhat slowly, and those who didn't
> know him, considered him to be "slow". He was FAR from "slow"! He was
> possibly one of the brightest "tinkerers" I ever knew. I learned a
> lot from him...and from Woody, God bless them both.
>
> Recently, Jack Meadows W7QQQ built one of these. I have heard it on
> the air on both 80 and 40 meters, and it sounds beautiful.
>
> I once mentioned on the OLD glowbugs list, during a discussion on
> crystal oscillator transmitters, that "...an old elmer of mine had
> built a 300 watt crystal-oscillator transmitter....". You should have
> heard the guffaws! No one could possibly build a crystal-oscillator
> greater than 50 watts input without cracking a crystal....until Boat
> Anchor Bob Keys found the article printed on the back page of a 1939
> QST magazine.

>
> Then they all shut up. ;-)
>
> Ken W7EKB
>
>
>

995. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-14 21:56:32 UTC
From: Carl
Topic: 986 Message: 995

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Carl" <km1h@...>; <glowbugradio@yahoogroups.com>
Sent: Monday, November 14, 2011 1:06 PM
Subject: Re: [glowbugradio] 813 crystal oscillator

> On 14 Nov 2011 at 10:33, Carl wrote:
>
>> It was also in a few 1939 QST's as an RCA ad.
>
> Yes. That is where I found it. It was also published in ane of those
> RCA Ham Tips about that time. I have a scan of that up on my website.
>
>> You need BIG crystals
>> for this.
>
> FT-243s have worked fine for those very few who have used it
> recently. **I** was surprised by this, but it is a fact.
>
> Ken W7EKB

At 150W out? What is the crystal current?

I built it ages ago using BC-610 80M rocks and it ran fine and no chirp.

Carl
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1411 / Virus Database: 2092/4014 - Release Date: 11/13/11
>

996. Re: [glowbugradio] More product detection for the two-triode product detector

Yahoo group: glowbugradio
Date: 2011-11-14 22:17:02 UTC
From: Carl
Topic: 983 Message: 996

There is LOTS of 75 and 40M AM activity from down in the Extra window to higher up. 3885 is sort of a calling frequency.
Ive work lots of EU on 75AM but havent heard any SA probably cuz I dont think of switching the Beverages.

Carl
KM1H

----- Original Message -----
From: Don Sanders
To: glowbugradio@yahoogroups.com
Sent: Monday, November 14, 2011 3:22 PM
Subject: Re: [glowbugradio] More product detection for the two-triode product detector

Yes, And they laughed at my version of the W3PHL super modulated AM rig until they heard me working Dx with my 300 watts PEP TX. This was circa 1958 if I remember correctly. Been a few winters ago.
I also built a DSB and a phasing SSB transmitters for 2 meters back then. Many said it could not be done. They forgot to tell me. Those and my Redline para-amp into a 416B front end let me work lots of VHF DX.
Sure miss the AM roundtables on 80 meters. Well, I am on 10 meters AM.
Dr Don HC4/W4BWS

On Sun, Nov 13, 2011 at 8:45 PM, Kenneth G. Gordon <kgordon2006@frontier.com> wrote:

BTW, Dave, I throughly enjoy your website.

Concerning crystal-oscillator transmitters, you might wish to look at
this one:

http://www.w7ekb.com/glowbugs/tx/813osc/813osc.htm

300 watts input, 150 watts output, designed by RCA.

When I was a Novice and still living in Missoula, Montana, around
1957 or so, one of my Elmers, Woody Davey W7CJB, took me out to
Hamilton, Montana to visit another older ham, Walt Polete, W7JIZ, who
had built one of the above transmitters. He loved it. Walt was an old
farmer, mostly bald, always wore striped bib-overalls, and always had
a smile on his face. He talked somewhat slowly, and those who didn't
know him, considered him to be "slow". He was FAR from "slow"! He was
possibly one of the brightest "tinkerers" I ever knew. I learned a
lot from him...and from Woody, God bless them both.

Recently, Jack Meadows W7QQQ built one of these. I have heard it on
the air on both 80 and 40 meters, and it sounds beautiful.

I once mentioned on the OLD glowbugs list, during a discussion on crystal oscillator transmitters, that "...an old elmer of mine had built a 300 watt crystal-oscillator transmitter....". You should have heard the guffaws! No one could possibly build a crystal-oscillator greater than 50 watts input without cracking a crystal....until Boat Anchor Bob Keys found the article printed on the back page of a 1939 QST magazine.

Then they all shut up. ;-)

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4014 - Release Date: 11/13/11

997. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-15 00:21:29 UTC
From: Kenneth G. Gordon
Topic: 986 Message: 997

On 14 Nov 2011 at 16:56, Carl wrote:

> > FT-243s have worked fine for those very few who have used it
> > recently. **I** was surprised by this, but it is a fact.
> >
> > Ken W7EKB
>
> At 150W out? What is the crystal current?

I think Jack W7QQQ told me his was about 30 mA, but that has been a number of years ago. I know that RCA used a 60 mA lamp in series with the crystal and it never glowed. I don't like
connecting a lamp in series with the crystal as it causes chirp in every rig I ever tried it in.

>
> I built it ages ago using BC-610 80M rocks and it ran fine and no chirp.

I always thought the keying method left a lot to be desired...

How did you key yours? Screen? I have not yet built one, but I thought blocked-grid keying would be much preferable.

Ken W7EKB

998. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-15 13:18:16 UTC
From: Carl
Topic: 986 Message: 998

----- Original Message -----
From: Kenneth G. Gordon
To: Carl
Cc: glowbugradio@yahoogroups.com
Sent: Monday, November 14, 2011 7:21 PM
Subject: Re: [glowbugradio] 813 crystal oscillator

On 14 Nov 2011 at 16:56, Carl wrote:

> > FT-243s have worked fine for those very few who have used it
> > recently. **I** was surprised by this, but it is a fact.
> >
> > Ken W7EKB
>
> At 150W out? What is the crystal current?

I think Jack W7QQQ told me his was about 30 mA, but that has been a number
of years ago.
I know that RCA used a 60 mA lamp in series with the crystal and it never
glowed. I don't like
connecting a lamp in series with the crystal as it causes chirp in every rig
I ever tried it in.

** I used a lamp to see what the current looked like and then removed
it...it did chirp a bit but the glow wasnt strong.

>
> I built it ages ago using BC-610 80M rocks and it ran fine and no chirp.

I always thought the keying method left a lot to be desired...

How did you key yours? Screen? I have not yet built one, but I thought
blocked-grid keying
would be much preferable.

** A clone of the TO keyer. Cant remember if I went grid block. Didnt use it
much as it was a kluge built just to see if it actually worked, still have
the RCA notes.

Carl

Ken W7EKB

999. Re: [glowbugradio] More product detection for the two-triode product detector

Yahoo group: glowbugradio
Date: 2011-11-15 21:55:10 UTC
From: Don Sanders
Topic: 983 Message: 999

Thanks Carl. I have a S9 plus noise level on 80 and 40 meters at present. I will be moving in hopefully 2 months to the new QTH in the country. I will be running AM with my SB200 amp and the inverted L on 160 and 80 or OCF antennas on 80 and 40.
The L will be 40 feet vertical on top of a 70 foot hill with the horiz part running down a steep hill to another 40 foot bamboo pole. I will place 3 wires just above ground under the L going down the hill.
I hope to give some contacts on 160 with the 100 watts SSB or CW and 80 and 40 AM with the 300 PEP out of the SB200.
So hopefully starting in January or February HC4/W4BWS will be active. I will be lurking and listening.
Dr Don HC4/W4BWS

On Mon, Nov 14, 2011 at 5:17 PM, Carl <km1h@...> wrote:

> **
>
>
> **
> There is LOTS of 75 and 40M AM activity from down in the Extra window to
> higher up. 3885 is sort of a calling frequency.
> Ive work lots of EU on 75AM but havent heard any SA probably cuz I dont
> think of switching the Beverages.
>
> Carl
> KM1H
>
>
>
>
> ----- Original Message -----
> *From:* Don Sanders <w4bws1@...>
> *To:* glowbugradio@yahoogroups.com
> *Sent:* Monday, November 14, 2011 3:22 PM
> *Subject:* Re: [glowbugradio] More product detection for the two-triode
> product detector
>
>
>
> Yes, And they laughed at my version of the W3PHL super modulated AM rig
> until they heard me working Dx with my 300 watts PEP TX. This was circa
> 1958 if I remember correctly. Been a few winters ago.
> I also built a DSB and a phasing SSB transmitters for 2 meters back then.
> Many said it could not be done. They forgot to tell me. Those and my

> Redline para-amp into a 416B front end let me work lots of VHF DX.
> Sure miss the AM roundtables on 80 meters. Well, I am on 10 meters AM.
> Dr Don HC4/W4BWS
>
> On Sun, Nov 13, 2011 at 8:45 PM, Kenneth G. Gordon <
> kgordon2006@frontier.com> wrote:
>
>> **
>>
>>
>> BTW, Dave, I throughly enjoy your website.
>>
>> Concerning crystal-oscillator transmitters, you might wish to look at
>> this one:
>>
>> http://www.w7ekb.com/glowbugs/tx/813osc/813osc.htm
>>
>> 300 watts input, 150 watts output, designed by RCA.
>>
>> When I was a Novice and still living in Missoula, Montana, around
>> 1957 or so, one of my Elmers, Woody Davey W7CJB, took me out to
>> Hamilton, Montana to visit another older ham, Walt Polete, W7JIZ, who
>> had built one of the above transmitters. He loved it. Walt was an old
>> farmer, mostly bald, always wore striped bib-overalls, and always had
>> a smile on his face. He talked somewhat slowly, and those who didn't
>> know him, considered him to be "slow". He was FAR from "slow"! He was
>> possibly one of the brightest "tinkerers" I ever knew. I learned a
>> lot from him...and from Woody, God bless them both.
>>
>> Recently, Jack Meadows W7QQQ built one of these. I have heard it on
>> the air on both 80 and 40 meters, and it sounds beautiful.
>>
>> I once mentioned on the OLD glowbugs list, during a discussion on
>> crystal oscillator transmitters, that "...an old elmer of mine had
>> built a 300 watt crystal-oscillator transmitter....". You should have
>> heard the guffaws! No one could possibly build a crystal-oscillator
>> greater than 50 watts input without cracking a crystal....until Boat
>> Anchor Bob Keys found the article printed on the back page of a 1939
>> QST magazine.
>>
>> Then they all shut up. ;-)
>>
>> Ken W7EKB
>>
>>
> ------------------------------
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1411 / Virus Database: 2092/4014 - Release Date: 11/13/11

>
>
>

1000. Re: [glowbugradio] 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-16 08:26:54 UTC
From: mac
Topic: 986 Message: 1000

Ken,

ER #138, Nov. 2000. Single tube 813 modulator running class A for it
in ER #142, March 2001.

Dennis D. W7QHO
Glendale, CA

****
On Nov 13, 2011, at 7:16 PM, Kenneth G. Gordon wrote:

> On 13 Nov 2011 at 18:38, mac wrote:
>
>> Ken,
>>
>> Yes, used an 813. Circuit resurrected and written up in ER a while
>> back.
>
> Really?!? Do you know which issue?
>
> Ken W7EKB

1001. Re: 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-16 11:00:05 UTC
From: davidpnewkirk
Topic: 986 Message: 1001

--- In glowbugradio@yahoogroups.com, N2EY@... wrote:
>
> I have the original RCA Ham Tips in pdf if anyone needs it.
>
> See also:
> _http://www.eclipseofthechurch.org/w7ekb/glowbugs/tx/813osc/813osc.htm_
> (http://www.eclipseofthechurch.org/w7ekb/glowbugs/tx/813osc/813osc.htm)
>
> _http://www.qsl.net/kd7nrq/_ (http://www.qsl.net/kd7nrq/)

What's been said about this circuit concerning crystal current is important--especially if you use it for fundamental output (which you shouldn't do because it's a tri-tet) and especially if you follow the bad advice originally associated with the tri-tet circuit and bend a corner of the cathode-tuning-cap plate to short the cap at maximum for fundamental operation. (In total, this means that you should not use this oscillator for fundamental operation. The crystal in this high-power circuit is safe only as long as [significant] fundamental-frequency feedback from the plate circuit isn't applied to the crystal.)

The bend-plate-for-shorting-switch idea is dangerous because it encourages you to possibly tune the cap near or through fundamental resonance on the way to shorting out the cap (depending on the values of L and max C, of course). The cathode tank of a tri-tet should be tuned to somewhere between fundamental and second harmonic for second-harmonic operation--for 40-meter output from an 80-meter rock, 5.9 MHz has been optimum in several tri-tet's I've built. So using a fixed cap in the cathode circuit is safer for the crystal.

The other tricky thing about this circuit is that it returns its grid bias resistor to the cathode. Because the 813 has a filamentary cathode, this is conditionally safe because the most likely way you'd implement cathode keying for this circuit would be to key the ground connection of the center tap of its associated filament transformer. (As this ocillator is drawn in the schematic on Ken's site, we're encouraged to use a relay in the screen circuit. The omission there is that the screen of a tube should *always* have a dc return, even when it's not connected to its supply; a high-value resistor capable of withstanding the normal screen voltage is called for.

When an indirectly-heated-cathode tube is used in a tri-tet and the grid leak return goes to cathode, it's natural to cathode-key the stage by opening and closing the dc connection between the cold end of the cathode tank and ground. Then the grid-leak-to-cathode idea becomes dangerous, as you're keying both the cathode and the grid-leak return, making the keying *B-minus* keying instead of just cathode keying. In B-minus keying, the full plate supply voltage appears between the cathode and ground when the key is up. In cathode keying of an oscillator, only the tube's cutoff bias level appears between cathode and ground when the key is up. (Amplifier cathode keying adds the peak voltage of the grid drive, if grid drive is present during during.)

I got jolted by a 59 tri-tet transmitter as result of this and the fact that I was using a big pre-WW2 round, metal-topped crystal at the time. In at least some of those crystal

holders, the top plate serves as both an electrode and heat sink for the crystal. So with the circuit's cathode at B+ above ground, I had a 50/50 chance that the top plate of the crystal holder would be at B+ to ground. Of course it took only a few crystal swapping cycles for those even odds to work against me--and also of course I had my other hand on the chassis at the time.

That poor man's differential-keying circuit you see in the the ARRL Handbook in the late 60s--the one where the oscillator grid leak is return to cathode and both oscillator and final are keyed at the same time, with a big (4.7 uF or so) to ground behind a fen-tens-of-ohms resistor in the keying line--embodies that danger. (Which, BTW, also threatens an indirectly-heated tube's heater-cathode insulation.) My dad modified the keying of my Novice-days Lettine 240 to use that circuit because it made the rig's keying sound much better. It only took me one sleepy-eyed late-night experience with the key to keep me wider awake trying to work coveted WN7s from Chicago on 80.

Best regards,

Dave/W9VES

1002. Re: [glowbugradio] Re: 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-16 16:15:09 UTC
From: Kenneth G. Gordon
Topic: 986 Message: 1002

On 16 Nov 2011 at 11:00, davidpnewkirk wrote:

> The other tricky thing about this circuit is that it returns its grid
> bias resistor to the cathode. Because the 813 has a filamentary
> cathode, this is conditionally safe because the most likely way you'd
> implement cathode keying for this circuit would be to key the ground
> connection of the center tap of its associated filament transformer.
> (As this ocillator is drawn in the schematic on Ken's site, we're
> encouraged to use a relay in the screen circuit. The omission there
> is that the screen of a tube should *always* have a dc return, even
> when it's not connected to its supply; a high-value resistor capable
> of withstanding the normal screen voltage is called for.

Screen to ground, I assume?.

> When an indirectly-heated-cathode tube is used in a tri-tet and the
> grid leak return goes to cathode, it's natural to cathode-key the
> stage by opening and closing the dc connection between the cold end of
> the cathode tank and ground. Then the grid-leak-to-cathode idea
> becomes dangerous, as you're keying both the cathode and the grid-leak
> return, making the keying *B-minus* keying instead of just cathode
> keying. In B-minus keying, the full plate supply voltage appears
> between the cathode and ground when the key is up. In cathode keying
> of an oscillator, only the tube's cutoff bias level appears between
> cathode and ground when the key is up. (Amplifier cathode keying adds
> the peak voltage of the grid drive, if grid drive is present during
> during.)

All this is another reason I believe blocked-grid keying would about
the safest method for this particular circuit.

Also, what are the relative advantages and disadvantages of returning
the grid-leak directly to ground rather to the cathode and vice-
versa?

I have always believed that the grid-leak should be returned directly
to ground, but have seen it connected to the cathode in so many
circuits that I figure there must be some advantage to doing it that
way.

Lastly:

> That poor man's differential-keying circuit you see in the the ARRL
> Handbook in the late 60s--the one where the oscillator grid leak is
> returned to cathode and both oscillator and final are keyed at the
> same time, with a big (4.7 uF or so) to ground behind a fen-tens-of-
> ohms resistor in the keying line--embodies that danger.

Did you mean "...often tens-of-ohms..." here?

Thanks for your input, David. Much appreciated.

Ken W7EKB

1003. Re: [glowbugradio] Re: 813 crystal oscillator

Yahoo group: glowbugradio
Date: 2011-11-16 16:57:53 UTC
From: Carl
Topic: 986 Message: 1003

Be careful with that screen supply. If it is coming from the B+ that side has to be off a stiff voltage divide so it doesnt soar to B+ at the relay. Plus if using a relay to open the screen then a 33-47K to ground at that side is needed.

Its a bit easier if you use a seperate screen supply.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: davidpnewkirk ; glowbugradio@yahoogroups.com
Sent: Wednesday, November 16, 2011 11:15 AM
Subject: Re: [glowbugradio] Re: 813 crystal oscillator

On 16 Nov 2011 at 11:00, davidpnewkirk wrote:

> The other tricky thing about this circuit is that it returns its grid
> bias resistor to the cathode. Because the 813 has a filamentary
> cathode, this is conditionally safe because the most likely way you'd
> implement cathode keying for this circuit would be to key the ground
> connection of the center tap of its associated filament transformer.
> (As this ocillator is drawn in the schematic on Ken's site, we're
> encouraged to use a relay in the screen circuit. The omission there
> is that the screen of a tube should *always* have a dc return, even
> when it's not connected to its supply; a high-value resistor capable
> of withstanding the normal screen voltage is called for.

Screen to ground, I assume?.

> When an indirectly-heated-cathode tube is used in a tri-tet and the
> grid leak return goes to cathode, it's natural to cathode-key the
> stage by opening and closing the dc connection between the cold end of
> the cathode tank and ground. Then the grid-leak-to-cathode idea
> becomes dangerous, as you're keying both the cathode and the grid-leak
> return, making the keying *B-minus* keying instead of just cathode
> keying. In B-minus keying, the full plate supply voltage appears
> between the cathode and ground when the key is up. In cathode keying
> of an oscillator, only the tube's cutoff bias level appears between
> cathode and ground when the key is up. (Amplifier cathode keying adds
> the peak voltage of the grid drive, if grid drive is present during
> during.)

All this is another reason I believe blocked-grid keying would about the safest method for this particular circuit.

Also, what are the relative advantages and disadvantages of returning the grid-leak directly to ground rather to the cathode and vice-versa?

I have always believed that the grid-leak should be returned directly to ground, but have seen it connected to the cathode in so many circuits that I figure there must be some advantage to doing it that way.

Lastly:

> That poor man's differential-keying circuit you see in the the ARRL
> Handbook in the late 60s--the one where the oscillator grid leak is
> returned to cathode and both oscillator and final are keyed at the
> same time, with a big (4.7 uF or so) to ground behind a fen-tens-of-
> ohms resistor in the keying line--embodies that danger.

Did you mean "...often tens-of-ohms..." here?

Thanks for your input, David. Much appreciated.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4020 - Release Date: 11/16/11

1004. (no subject)

Yahoo group: glowbugradio
Date: 2011-11-16 17:30:15 UTC
From: K3JPB@MSN.COM
Topic: 1004 Message: 1004

[Body unavailable in the source archive]

1005. 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 05:19:02 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1005

Hmmmm.....the 6BG6G looks suspiciously like an octal based 807.

Ken W7EKB

1006. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 14:02:14 UTC
From: Carl
Topic: 1005 Message: 1006

It took you 60 years to find that out (-;

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 12:19 AM
Subject: [glowbugradio] 6BG6G

Hmmmm.....the 6BG6G looks suspiciously like an octal based 807.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4030 - Release Date: 11/21/11

1007. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 14:05:16 UTC
From: Carl
Topic: 1005 Message: 1007

I forgot to mention...its closer to a 6L6 with a higher voltage spec.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 12:19 AM
Subject: [glowbugradio] 6BG6G

Hmmmm.....the 6BG6G looks suspiciously like an octal based 807.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4030 - Release Date: 11/21/11

1008. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 17:01:22 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1008

On 22 Nov 2011 at 9:02, Carl wrote:

> It took you 60 years to find that out (-;
>
> Carl

No. Damn near 70. :-)

How ya doing, ya old fart?

Ken W7EKB

1009. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 17:51:50 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1009

Yes, it does. But it's not exactly the same. In particular, the Cgp is higher, so operation without neutralization could be dicey.

However, W1ICP figured all that out half a century ago, in the "65 Watts At Low Cost" rig, which solved all the problems. What is particularly interesting about that rig is that there is only one B+ (350 volts or so, from old TV power iron) and so the plate tuning cap can be a BC variable.

I don't know how well the classic ST-bottle 6BG6GT would work above 20 meters or so, due to the capacitances and long leads. But for a classic 80/40 CW rig they could do the trick.

73 de Jim, N2EY

-----Original Message-----
From: Kenneth G. Gordon <kgordon2006@...>
To: Glowbugradio <Glowbugradio@yahoogroups.com>
Sent: Tue, Nov 22, 2011 12:19 am
Subject: [glowbugradio] 6BG6G

Hmmmm.....the 6BG6G looks suspiciously like an octal based 807.

Ken W7EKB

1010. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 18:07:20 UTC
From: Carl
Topic: 1005 Message: 1010

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 12:01 PM
Subject: Re: [glowbugradio] 6BG6G

On 22 Nov 2011 at 9:02, Carl wrote:

> It took you 60 years to find that out (-;
>
> Carl

No. Damn near 70. :-)

How ya doing, ya old fart?

Ken W7EKB

Still farting around and up to my neck in repair work. I seem to be the place of last resort for several gems!

Are you buried in snow yet? Our Halloween blizzard sure made a mess for many in the Northeast but I had no real damage (one of the 2 wire Beverages broke in one place)and ran the generator for 3 days only as needed since the temps were warm even at night.

Carl

1011. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 19:21:21 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1011

On 22 Nov 2011 at 13:07, Carl wrote:

> Still farting around and up to my neck in repair work. I seem to be
> the place of last resort for several gems!

Well, with your expertise, experience (and general crabbiness) I can understand. :-)

> Are you buried in snow yet?

Had around 4 inches, much to our surprise. We don't generally get it this early. Most is gone now as it has been raining all night. More snow expected from Wednesday on. I really don't care for the rain. Wind advisory until 8:00 AM tomorrow.

Two articles in the newspaper concerning idiot drivers, especially SUV owners. It seems to take about a month before these fools wake up to the fact that GOING in snow and ice is not the problem: it is stopping...and turning...even with studded tires.

> Our Halloween blizzard sure made a mess
> for many in the Northeast but I had no real damage (one of the 2 wire
> Beverages broke in one place)and ran the generator for 3 days only as
> needed since the temps were warm even at night.

Lucky you. Judith's relatives in PA weren't so well prepared.

We ran our little 5 KW generator twice in a couple of weeks for several hours each time. AC output from that genny is pretty crappy, looking at it on a scope. I am thinking about adding a 60 Hz tuned circuit between it and the load. I have a pair of VERY heavy "isolation" transformers: 115 VAC at 30 amps each...

I wired the genny into a generator transfer switch and our main panel a year or two ago, then let the power company know we weren't going to electrocute their service people.

The next-door-neighbors, an old couple in their 80s, were confused that we had lights on when they didn't.

Now they want to put in a completely automatic system. Kohler, I think.

I run the shack on a separate 2.5 KW genny with its own generator transfer switch. At least that one puts out a real sine wave.

Sure wish I still had one of those old military PE-95 2.5 KW belt-driven gennys with the big 10 HP single-cylinder engine. I had one

once. Excellent rig. For one thing, you could "motor" the generator to start it remotely.

Can't do that with either one of those I have now. Gotta go out and pull a rope.

BTW, the engine on that PE-95 had a "pre-combustion" chamber. Sort of unusual.

Ken W7EKB

1012. Generators

Yahoo group: glowbugradio
Date: 2011-11-22 19:52:01 UTC
From: Kenneth G. Gordon
Topic: 1012 Message: 1012

Darn! It wasn't the PE-95: the PE-95 is that big trailer-mounted 10KW job with the 4 cylinder Jeep engine which was used with the BC-610 in the SCR-299/399.

I can't remember the PE number for the much smaller 2.5 KW belt-drive job...

Ken W7EKB

1013. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 19:55:47 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1013

On 22 Nov 2011 at 12:51, N2EY@... wrote:

>
> Yes, it does. But it's not exactly the same. In particular, the Cgp
> is higher, so operation without neutralization could be dicey.

Yes. That makes sense. BTW, were you aware that the earliest versions of the 807 had an internal shield that was later removed in the interests of cost savings? I think the military had something to do with that.

> However, W1ICP figured all that out half a century ago, in the "65
> Watts At Low Cost" rig, which solved all the problems. What is
> particularly interesting about that rig is that there is only one B+
> (350 volts or so, from old TV power iron) and so the plate tuning cap
> can be a BC variable.

Yes. I have that rig up on the Glowbugs website.

> I don't know how well the classic ST-bottle 6BG6GT would work above 20
> meters or so, due to the capacitances and long leads. But for a
> classic 80/40 CW rig they could do the trick.

And it is CHEAP. I have quite a few of them.

How you been, Jim? Long time no hear from. :-)

Ken W7EKB

1014. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 21:17:06 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1014

-----Original Message-----
From: Kenneth G. Gordon <kgordon2006@frontier.com>

On 22 Nov 2011 at 12:51, N2EY@... wrote:

>
>> Yes, it does. But it's not exactly the same. In particular, the Cgp
>> is higher, so operation without neutralization could be dicey.

>Yes. That makes sense. BTW, were you aware that the earliest versions
>of the 807 had an internal shield that was later removed in the
>interests of cost savings? I think the military had something to do
>with that.

Yes, I've used both in my rigs. What I found to be most important is not to mix them.

>> However, W1ICP figured all that out half a century ago, in the "65
>> Watts At Low Cost" rig, which solved all the problems. What is
>> particularly interesting about that rig is that there is only one B+
>> (350 volts or so, from old TV power iron) and so the plate tuning cap
>> can be a BC variable.

>Yes. I have that rig up on the Glowbugs website.

I wonder if anyone has built it? Maybe I will have to.

>> I don't know how well the classic ST-bottle 6BG6GT would work above 20
>> meters or so, due to the capacitances and long leads. But for a
>> classic 80/40 CW rig they could do the trick.

>And it is CHEAP. I have quite a few of them.

There appear to be a few variants, too. W1ICP used the GA version, with tubular bottle and short-leaded button base.

Besides the internal capacitances, the 6BG6G has higher perveance than an 807. At the same plate, screen and grid voltages the 6BG6 will draw more plate current. IMHO that makes it the preferred tube for relatively-low-B+ transmitters like "65 Watts" because you can use the same B+ for both the oscillator and final.

The plug-in-coil design of "65" means it could be used on the WARC bands too. Of course those clear plastic coil forms and Miniductor aren't so common any more but old tube bases and hand-wound coils will serve the purpose.

>How you been, Jim? Long time no hear from. :-)

Kinda busy, but still active!
73 de Jim, N2EY

1015. Re: [glowbugradio] Generators

Yahoo group: glowbugradio
Date: 2011-11-22 22:07:40 UTC
From: Carl
Topic: 1012 Message: 1015

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 2:52 PM
Subject: [glowbugradio] Generators

Darn! It wasn't the PE-95: the PE-95 is that big trailer-mounted 10KW job with the 4 cylinder Jeep engine which was used with the BC-610 in the SCR-299/399.

I can't remember the PE number for the much smaller 2.5 KW belt-drive job...

Ken W7EKB

Yep and that flathead 4 would drive anybody poor today keeping it fed. The Nashua RC still uses one for FD

Im going to pickup a 10KW Chinese genny with a B&S 18hp engine, electric start and all the bells and whistles. Feedback is excellent.
My current genny I bought back in 85 a few weeks before Hurricane Gloria. Its a 4500W Tecumseh with one of those motor start setups you mentioned. It just takes a hell of a good battery when its 25 below. Other than a good carb cleaning every year and an occassional carb rebuild kit its been fine and burns almost no oil. I change that regularly also.
I'll keep it for backup and also toss in the old 78 Ford F-250 plow/yard truck for AC back in the woods when doing antenna projects or trimming trees.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4032 - Release Date: 11/22/11

1016. Re: [glowbugradio] Generators

Yahoo group: glowbugradio
Date: 2011-11-22 22:22:09 UTC
From: Kenneth G. Gordon
Topic: 1012 Message: 1016

On 22 Nov 2011 at 17:07, Carl wrote:

> Yep and that flathead 4 would drive anybody poor today keeping it fed.
> The Nashua RC still uses one for FD

Yes. Not only was it a gas hog, but it used two HUGE 6VDC batteries
to "motor" it for starting.

BTW, the engine used in that thing was also used in many, many
combines. I bought all the parts at the local farm supply outfit for
one we bought on surplus (had 8 hours on it) to convert it to a
regular starter-motor, and to replace the distributor and carb.

Then it got sent to the Juneau Icefield and was helicoptered into one
of their sites. It's still there as far as I know, and still works
well.

> Im going to pickup a 10KW Chinese genny with a B&S 18hp engine,
> electric start and all the bells and whistles. Feedback is excellent.

Model and maker?

> My current genny I bought back in 85 a few weeks before Hurricane
> Gloria. Its a 4500W Tecumseh with one of those motor start setups you
> mentioned. It just takes a hell of a good battery when its 25 below.

Yes. It sure does!

> Other than a good carb cleaning every year and an occassional carb
> rebuild kit its been fine and burns almost no oil. I change that
> regularly also.

My 2.5 KW genny uses a Techuseh engine which has been very reliable,
although I have to rebuild the carb about every other year, and
change the oil every year.

> I'll keep it for backup and also toss in the old 78
> Ford F-250 plow/yard truck for AC back in the woods when doing antenna
> projects or trimming trees.

Old pickups are pretty handy. Our oldest son has an old Ford Ranger
which never seems to quit.

Ken W7EKB

1017. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 22:26:07 UTC
From: Carl
Topic: 1005 Message: 1017

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 2:55 PM
Subject: Re: [glowbugradio] 6BG6G

On 22 Nov 2011 at 12:51, N2EY@... wrote:

>
> Yes, it does. But it's not exactly the same. In particular, the Cgp
> is higher, so operation without neutralization could be dicey.

Yes. That makes sense. BTW, were you aware that the earliest versions
of the 807 had an internal shield that was later removed in the
interests of cost savings? I think the military had something to do
with that.

> However, W1ICP figured all that out half a century ago, in the "65
> Watts At Low Cost" rig, which solved all the problems. What is
> particularly interesting about that rig is that there is only one B+
> (350 volts or so, from old TV power iron) and so the plate tuning cap
> can be a BC variable.

Yes. I have that rig up on the Glowbugs website.

> I don't know how well the classic ST-bottle 6BG6GT would work above 20
> meters or so, due to the capacitances and long leads. But for a
> classic 80/40 CW rig they could do the trick.

And it is CHEAP. I have quite a few of them.

How you been, Jim? Long time no hear from. :-)

Ken W7EKB

I seem to remember some 80-10M commercial rig that used it but at only 20W
Pd it certainly isnt an 807....more like a HV 6L6.now that the plate cap was
on top and the lead wasnt meandaring down to an arc prone socket....Remember
the 5R4 problems in Heath and Johnsons at 600-700V?

Neutralizing isnt a problem either, Drake got the 6JB6 to play well on 6M
and the humongous 6LQ6 and larger sweep tubes worked on 10M.

Carl

1018. PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-22 22:28:04 UTC
From: Kenneth G. Gordon
Topic: 1018 Message: 1018

That 2.5 KW genny I was trying to remember was the PE-75. The U.S. Army used them from some time early in WWII through about 1970, as I remember it.

A really excellent generator.

Ken

1019. Re: [glowbugradio] Generators et al

Yahoo group: glowbugradio
Date: 2011-11-22 22:31:46 UTC
From: David C. Hallam
Topic: 1012 Message: 1019

I have my story about where engines are used.

Years ago, I rebuilding the engine in a MB 180Db and need some 1mm oversize pistons. MB could not supply and all the foreign auto parts outlets I tried did not have them either. This particular engine was used in a number of off road application, forklift, boats, etc. I finally found a set at FrigiKing. They used the engine in their reefers.

David
KW4DH

On 11/22/2011 5:22 PM, Kenneth G. Gordon wrote:
>
> On 22 Nov 2011 at 17:07, Carl wrote:
>
> > Yep and that flathead 4 would drive anybody poor today keeping it fed.
> > The Nashua RC still uses one for FD
>
> Yes. Not only was it a gas hog, but it used two HUGE 6VDC batteries
> to "motor" it for starting.
>
> BTW, the engine used in that thing was also used in many, many
> combines. I bought all the parts at the local farm supply outfit for
> one we bought on surplus (had 8 hours on it) to convert it to a
> regular starter-motor, and to replace the distributor and carb.
>
> Then it got sent to the Juneau Icefield and was helicoptered into one
> of their sites. It's still there as far as I know, and still works
> well.
>
> > Im going to pickup a 10KW Chinese genny with a B&S 18hp engine,
> > electric start and all the bells and whistles. Feedback is excellent.
>
> Model and maker?
>
> > My current genny I bought back in 85 a few weeks before Hurricane
> > Gloria. Its a 4500W Tecumseh with one of those motor start setups you
> > mentioned. It just takes a hell of a good battery when its 25 below.
>
> Yes. It sure does!
>
> > Other than a good carb cleaning every year and an occassional carb
> > rebuild kit its been fine and burns almost no oil. I change that
> > regularly also.
>
> My 2.5 KW genny uses a Techuseh engine which has been very reliable,

> although I have to rebuild the carb about every other year, and
> change the oil every year.
>
> > I'll keep it for backup and also toss in the old 78
> > Ford F-250 plow/yard truck for AC back in the woods when doing antenna
> > projects or trimming trees.
>
> Old pickups are pretty handy. Our oldest son has an old Ford Ranger
> which never seems to quit.
>
> Ken W7EKB
>
>

--
Before I came here I was confused about this subject. Having listened to your lecture I am still confused. But on a higher level.
Enrico Fermi

1020. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-22 22:46:40 UTC
From: L L bahr
Topic: 1018 Message: 1020

The PE-75 was pulled on a trailer behind an ANG-26 which was a hut mounted on 2 1/2 ton truck containing a BC-610 including a couple RTTY machines. They were mainly used for Division Communications.

I used one in the Big Red One callsign FOGHORN.

Lee, w0vt

----- Original Message -----

From: "Kenneth G. Gordon" <kgordon2006@...>
To: Glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 4:28:04 PM
Subject: [glowbugradio] PE-75 generator

That 2.5 KW genny I was trying to remember was the PE-75. The U.S. Army used them from some time early in WWII through about 1970, as I remember it.

A really excellent generator.

Ken

1021. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-22 22:50:40 UTC
From: L L bahr
Topic: 1018 Message: 1021

The PE-75 used a 4 stroke Jeep motor for the power plant.

Lee, w0vt

----- Original Message -----

From: "L L bahr" <pulsarxp@...>
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 4:46:40 PM
Subject: Re: [glowbugradio] PE-75 generator

The PE-75 was pulled on a trailer behind an ANG-26 which was a hut mounted on 2 1/2 ton truck containing a BC-610 including a couple RTTY machines. They were mainly used for Division Communications.

I used one in the Big Red One callsign FOGHORN.

Lee, w0vt

----- Original Message -----

From: "Kenneth G. Gordon" <kgordon2006@...>
To: Glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 4:28:04 PM
Subject: [glowbugradio] PE-75 generator

That 2.5 KW genny I was trying to remember was the PE-75. The U.S.
Army used them from some time early in WWII through about 1970, as I
remember it.

A really excellent generator.

Ken

1022. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-22 23:02:55 UTC
From: Kenneth G. Gordon
Topic: 1018 Message: 1022

On 22 Nov 2011 at 17:46, L L bahr wrote:

> The PE-75 was pulled on a trailer behind an ANG-26 which was a hut mounted on 2 1/2 ton truck
> containing a BC-610 including a couple RTTY machines.

Hello, Lee. That was the PE-95. The PE-75 was "man portable" (4 strong guys.) and rope-start :-)

> They were mainly used for Division
> Communications.
> I used one in the Big Red One callsign FOGHORN.

Neato! Boy! Would I ever enjoy talking with you about your experiences! :-)

Ken W7EKB

1023. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-22 23:03:44 UTC
From: tvamfm@aol.com
Topic: 1018 Message: 1023

The PE-75 used a single stroke cylinder and was rated at 2.5Kw. It used a rope to start it. It was made by several manufacturers. The PE-95 was the trailer mounted 4 cylinder powered 5KW unit. They were primarily built by Onan.

73, John, W4AWM

1024. Re: [glowbugradio] Generators et al

Yahoo group: glowbugradio
Date: 2011-11-22 23:11:47 UTC
From: Kenneth G. Gordon
Topic: 1012 Message: 1024

On 22 Nov 2011 at 17:31, David C. Hallam wrote:

> I have my story about where engines are used.
>
> Years ago, I rebuilding the engine in a MB 180Db and need some 1mm
> oversize pistons. MB could not supply and all the foreign auto parts
> outlets I tried did not have them either. This particular engine was
> used in a number of off road application, forklift, boats, etc. I
> finally found a set at FrigiKing. They used the engine in their reefers.

Kinda figures, doesn't it? Where you would just about least expect to find a Mercedes-Benz engine.

The PE-95 4 cylinder Jeep engine was made by Hercules, which made many, many engines for a lot of folks.

Their "Super Hurricane 6" was used in Jeep wagons and pickups for some time. Although that engine was very reliable, it was NOT particulary efficient!!!!! And it was gutless to boot.

The one I had in my 1956 Jeep "sedan delivery" got 10 MPG and the rig had a 10 gallon gas tank. I bought a smaller main jet for the carb in an attempt to increase the gas mileage: all
that did was make the thing run so lean that it burnt a hole in a piston.

So I replaced the entire engine and transmission from a much later Jeep pickup. That was an AMC 6 which not only got considerably better gas mileage, but would push that boxy rig down the road at 90 MPH. The AMC 6 was an excellent engine.

Well, enough of this chat. I better get to some work. ;-)

vy 73 all,

Ken W7EKB

1025. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-22 23:18:24 UTC
From: Kenneth G. Gordon
Topic: 1018 Message: 1025

On 22 Nov 2011 at 18:03, tvamfm@... wrote:

> The PE-75 used a single cylinder 4-stroke and was rated at 2.5Kw. It used a rope to start it.It was
> made by several manufacturers. The PE-95 was the trailer mounted 4 cylinder powered 5KW unit.
> They were primarily built by Onan.

Yes, although the PE-95 was a 10KW unit.

I always get mixed up on the numbers of those two: the PE-95 and the PE-75. I have had both at one time and still forget the numbers. I had to look them up to make sure which one was which. CRS disease in my case. ;-)

Ken W7EKB

1026. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-23 01:07:43 UTC
From: lee
Topic: 1018 Message: 1026

You are probably correct. It’s been a LONG TIME since I used one. It must have been a PE-95 as I remember it had a start motor and a BC-610 rig would need more then just 2.5KW. The generator was of course used for other things but it always was mounted on a trailer pulled by a 2 1/2 ton truck, usually Studebaker, to power the ANG-26 hut mounted on the bed of the truck.

Lee, w0vt

From: Kenneth G. Gordon
Sent: Tuesday, November 22, 2011 5:18 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] PE-75 generator

On 22 Nov 2011 at 18:03, mailto:tvamfm%40aol.com wrote:

> The PE-75 used a single cylinder 4-stroke and was rated at 2.5Kw. It used a rope to start it.It was
> made by several manufacturers. The PE-95 was the trailer mounted 4 cylinder powered 5KW unit.
> They were primarily built by Onan.

Yes, although the PE-95 was a 10KW unit.

I always get mixed up on the numbers of those two: the PE-95 and the PE-75. I have had both at one time and still forget the numbers. I had to look them up to make sure which one was which. CRS disease in my case. ;-)

Ken W7EKB

1027. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-23 01:23:42 UTC
From: tvamfm@aol.com
Topic: 1018 Message: 1027

Hi Lee,

Somewhere around here I have a TM for the PE-95. I'm not sure what model it was, but I'll try to find it. I think I also have the original manual for the complete BC-610 setup. I actually do have a pair of the battery chargers that were used in the set. One has the cabinet and the other doesn't, but both still work. They have a pair of rather large selenium rectifiers mounted above a large transformer. Very impressive.

I don't have one, but another strange little item that came with the set was an electric heater for the hut. I guess they just suffered in the summer time.

73,

John, W4AWM

1028. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-22 17:06:38 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1028

On 22 Nov 2011 at 9:05, Carl wrote:

> I forgot to mention...its closer to a 6L6 with a higher voltage spec.
>
> Carl

Actually, it looks kinda between the two to me.

Lessee...dissipation ratings are a little bit different: 807 25
watts, 6BG6G 20 watts, 6L6 17.5 watts.

Yeah. OK. I see what you mean: closer to 6L6 than 807...

I have often wondered if one could take an 807 or 1625, yank off the
old base and install an octal. Furnace cement is still easy to find.

Might try that when I have nothing better to do.

Ken W7EKB

1029. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-23 04:40:23 UTC
From: Kenneth G. Gordon
Topic: 1018 Message: 1029

On 22 Nov 2011 at 19:07, lee wrote:

> You are probably correct. It´s been a LONG TIME since I used one.
> It must have been a PE-95 as I remember it had a start motor and a
> BC-610 rig would need more then just 2.5KW. The generator was of
> course used for other things but it always was mounted on a trailer
> pulled by a 2 1/2 ton truck, usually Studebaker, to power the ANG-26
> hut mounted on the bed of the truck.

Yes. That is correct. The first such unit was the SCR-299, which was mounted in a Dodge 4WD panel truck. Here is a movie that was made in WWII by Hallicrafters giving all sorts of details on the SCR-299. It even showed constructing a BC-610, testing it, then moving a BC-610 into the Dodge. It was quite a tight fit. That one also had the PE-95 in a trailer behind it.

You can watch it here:

http://www.youtube.com/watch?v=Jps0_2adUvo

Then the next iteration was the SCR-399, mounted in a 2 1/2 ton truck with the genny in a trailer behind it. In some versions of the SCR-399, there were 4 30 foot long whip antennas mounted on the corners of the hut. It had at least 1 BC-610 in it, BC-342 receivers, BC-614 speech amp, teletype gear, etc.

There was a long bench in the middle of the hut which was also a storage area for crystals, tuning units, plate coils, etc.

I have the manual for the SCR-399 around here some place. Every time I dig it out to look at it I drool on it. ;-)

I think the next iteration with different receivers and transmitters was the SCR-499, but I am not sure.

I know there was a version of that hut that had at least one TMC GPT-750A transmitter in it. I have seen photos of it. I think that one was used in Vietnam.

Ken W7EKB

1030. Re: [glowbugradio] 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-23 14:40:07 UTC
From: Carl
Topic: 1005 Message: 1030

Remember one thing....the 6L6 is the granddaddy of all beam pentodes.

Comparing apples to apples the 6L6G is 19W and the 6BG6G is 20W. Other versions have higher Pd. The higher perveance of the 6BG6 is somewhat related to the 6W6/6Y6.

The 6L6 metal inverted in oil is 100W (-;

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 12:06 PM
Subject: Re: [glowbugradio] 6BG6G

On 22 Nov 2011 at 9:05, Carl wrote:

> I forgot to mention...its closer to a 6L6 with a higher voltage spec.
>
> Carl

Actually, it looks kinda between the two to me.

Lessee...dissipation ratings are a little bit different: 807 25
watts, 6BG6G 20 watts, 6L6 17.5 watts.

Yeah. OK. I see what you mean: closer to 6L6 than 807...

I have often wondered if one could take an 807 or 1625, yank off the
old base and install an octal. Furnace cement is still easy to find.

Might try that when I have nothing better to do.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4032 - Release Date: 11/22/11

1031. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-23 15:15:47 UTC
From: Don Webster
Topic: 1018 Message: 1031

I was in charge of a later version called the ANGRC 26A over in Korea. It had two R388 receivers as well as the BC610 transmitter and associated TTY equipment. It was also equipped with a top secret encripting machine.

We were located at 2nd Division HQ and used it for requesting air strikes from the Air Force.

We had two of the trailer mounted generators, but I don't remember their nomenclature. We ran them 24 hours a day but alternated them every 12 hours.

Don K9MUF

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 8:40 PM
Subject: Re: [glowbugradio] PE-75 generator

On 22 Nov 2011 at 19:07, lee wrote:

> You are probably correct. It´s been a LONG TIME since I used one.
> It must have been a PE-95 as I remember it had a start motor and a
> BC-610 rig would need more then just 2.5KW. The generator was of
> course used for other things but it always was mounted on a trailer
> pulled by a 2 1/2 ton truck, usually Studebaker, to power the ANG-26
> hut mounted on the bed of the truck.

Yes. That is correct. The first such unit was the SCR-299, which was mounted in a Dodge 4WD panel truck. Here is a movie that was made in WWII by Hallicrafters giving all sorts of details on the SCR-299. It even showed constructing a BC-610, testing it, then moving a BC-610 into the Dodge. It was quite a tight fit. That one also had the PE-95 in a trailer behind it.

You can watch it here:

http://www.youtube.com/watch?v=Jps0_2adUvo

Then the next iteration was the SCR-399, mounted in a 2 1/2 ton truck with the genny in a trailer behind it. In some versions of the SCR-399, there were 4 30 foot long whip antennas mounted on the corners of the hut. It had at least 1 BC-610 in it, BC-342 receivers, BC-614 speech amp, teletype gear, etc.

There was a long bench in the middle of the hut which was also a storage area for crystals, tuning units, plate coils, etc.

I have the manual for the SCR-399 around here some place. Every time I dig it out to look at it I drool on it. ;-)

I think the next iteration with different receivers and transmitters was the SCR-499, but I am not sure.

I know there was a version of that hut that had at least one TMC GPT-750A transmitter in it. I have seen photos of it. I think that one was used in Vietnam.

Ken W7EKB

1032. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-23 19:49:35 UTC
From: Rod Hogg
Topic: 1018 Message: 1032

Yep, PE-75 was/is a real workhorse. Were made from early in the '40s up through '60s or later. Think they were mainly for powering telephone/telegraph field equip. A lot had a Briggs & Stratton Model ZZ engine, and a Leland alternator. Engine was rated at 6HP but properly tuned up with good rings and valves you could squeeze out more. Alternator ran 2.5KW CONTINOUS duty, at 1800RPM, Engine ran 2400 RPM with belt drive. Had one running for 18 hours once with a 2.2KW flood light load, alternator never even got warm.

A 75 could carry easily 3.5KW or more on peaks and not falter. Later models used a Briggs Model 8 engine. Had 2 of them over the years, wish still had one, They were heavy however.... "portable".

The PE-95 had many variants, the A B & C models used a Ford engine with an Onan alternator, later units had Continental and Willys engines, Many thousands made by O'Keefe & Merritt Corp. The PE-95-G was very nice unit.

Do have a pretty nice Hollingsworth JHGW-5A, PU-286, 5KW for trade if anyone interested.

Rod
KØEQH

--- On Tue, 11/22/11, Kenneth G. Gordon <kgordon2006@...> wrote:

From: Kenneth G. Gordon <kgordon2006@frontier.com>
Subject: [glowbugradio] PE-75 generator
To: Glowbugradio@yahoogroups.com
Date: Tuesday, November 22, 2011, 4:28 PM

That 2.5 KW genny I was trying to remember was the PE-75. The U.S.
Army used them from some time early in WWII through about 1970, as I
remember it.

A really excellent generator.

Ken

1033. Re: [glowbugradio] PE-75 generator and PU-286/G

Yahoo group: glowbugradio
Date: 2011-11-23 20:28:06 UTC
From: Kenneth G. Gordon
Topic: 1018 Message: 1033

On 23 Nov 2011 at 11:49, Rod Hogg wrote:

> Yep, PE-75 was/is a real workhorse. Were made from early in the '40s
> up through '60s or later. Think they were mainly for powering
> telephone/telegraph field equip. A lot had a Briggs & Stratton Model
> ZZ engine, and a Leland alternator. Engine was rated at 6HP but
> properly tuned up with good rings and valves you could squeeze out
> more. Alternator ran 2.5KW CONTINOUS duty, at 1800RPM, Engine ran
> 2400 RPM with belt drive. Had one running for 18 hours once with a
> 2.2KW flood light load, alternator never even got warm.   A 75 could
> carry easily 3.5KW or more on peaks and not falter.

Yes. And the AC output was a PURE sinewave. None of this "modified
sine wave" garbage.

The engine on the PE-75 I first had, had a "pre-combustion chamber",
which was a very interesting way of handling ignition and timing.
Look that up sometime: the fact that my engine had that was an
excellent indication of very careful design.

> Later models
> used a Briggs Model 8 engine. Had 2 of them over the years, wish still
> had one, They were heavy however.... "portable".

Many of them (mine included) had 4 heavy wooden dowels stored in the
rails, two on each side. These were designed to be stuck into the
hollow pipes on either end of the frame to enable 4 guys to carry it.
Although two strong guys could handle it, four would have made it a
lot easier.

>   The PE-95 had
> many variants, the A B & C models used a Ford engine with an Onan
> alternator, later units had Continental and Willys engines, Many
> thousands made by O'Keefe & Merritt Corp. The PE-95-G was very nice
> unit.

Yes, it certainly was and still is. Very nice, reliable, capable.
Easily worked on if needed. It was used in some installations to heat
the building in which it was mounted too. The fan on the front blew
the air FORWARD through the radiator, rather than sucking it through
and over the engine.

>   Do have a pretty nice Hollingsworth JHGW-5A, PU-286, 5KW
> for trade if anyone interested.

I had a PU-286/G once. A really beautiful generator. Already set up
for remote start and stop. Mine used that thermo-syphon cooling

system, and a large squirrel-cage fan in front which blew air UP through the horizontally-slanted condenser (which was NOT a radiator). Normal operating engine temperature was the boiling point of water: 212 F in most cases.

The generator part is direct-drive and the whole thing turns at 1800 RPM. Mine was very efficient on fuel. I mounted a 20 gallon gas tank from an old car on the upper frame and used it on several Field Days.

The generator originally came with an adapter and a length of hose to allow the operator to stick the adapter into a regular Jerry Can.

As I remember it, the PU-286/G was designed specifically to be used with some particular radar set. I forget which one.

I also had another 5 KW generator which was somewhat weird. That one turned at a steady 3600 RPM and was noisy as heck. It used a "recoil" starter (rope). It also had a big switch below the control panel to switch from 110 VAC, to 110 VAC 3 Phase, to 110/220 single phase to 208 VAC 3 phase.

The engine had an aluminum block and some sort of mechanism that positively rotated the valves at every cycle.

It was efficient on fuel and very reliable, but horridly noisy. Its cooling system was also designed to be used to heat any building or tent it was mounted in. Fan blew out on that one too, and there was a lever-operated louver in front of the radiator.

When I got it (through MARS) it had been dropped on one end vertically which had destroyed the magneto and bent the heck out of the frame and cover.

I straightened all that out, and got the magneto repaired at our local farm supply outfit.

Used that one on Field Days too.

Don't have any of them any more. Sure wish I did. :-(

Ken W7EKB

1034. Re: [glowbugradio] PE-75 generator and PU-286/G

Yahoo group: glowbugradio
Date: 2011-11-24 01:04:25 UTC
From: tvamfm@aol.com
Topic: 1018 Message: 1034

Back in 1955, I received a gift from AF MARS that is still running. Built in 1941 by Onan, it is a twin banger, air cooled 1500 watt, 110VAC unit also built to power a RADAR set. It would also charge a 12V battery and was set up for field starting and remote control. Provision was made to hand start the plant with a rope if the battery died or was not available. It also came with a long hose to dip into a gasoline fuel source and has a fuel pump The civilian model was the Onan OTC-70DN and the military nomenclature is PU-1/CRN-2. I had obtained the civilian manuals for it which consisted of four books, each the size of the military tech manuals. Somewhere along the line they got lost. The only thing I have ever lost and would love to find copies of the civilian and/or military manuals at any reasonable price. I'd also like to find information on the entire CRN-2 RADAR set. price. I broke the beast out of the original overseas shipping crate. It came with a large box of spares, but I never did see a manual for it which is kind of unusual.

The only instrumentation on the unit was an oil pressure gauge so I found a long narrow mini-box and mounted the oil pressure gauge in that. I also added a Running Time Meter, AC Volt Meter, DC current Meter and Frequency meter to the box and mounted it on 2 existing holes. Once painted OD, it looks like it is OEM equipment. I have used it most every field day since I got it and it has performed flawlessly. The fuel economy is unbelievable. BTW, it is an 1800 RPM plant and reasonably quiet.

73,

John, W4AWM

1035. Re: [glowbugradio] CRN-2

Yahoo group: glowbugradio
Date: 2011-11-24 09:05:22 UTC
From: Kenneth G. Gordon
Topic: 1018 Message: 1035

On 23 Nov 2011 at 20:04, tvamfm@... wrote:

> The civilian model was
> the Onan OTC-70DN and the military nomenclature is PU-1/CRN-2.

Onan is now owned by Cummins.

http://www.cumminsonan.com/

The OTC part of the numbers above refer to a 2 cylinder horizontally opposed engine, with these specifications:

2-5/8" bore, 2-1/4" stroke, 5.75:1 compression ratio, 24.35cu in displacement, 5 pints oil capacity, plug gap 0.025".

This engine was used in a large number of Onan generators.

Here is a youtube video of one of those same engines in a 12VDC 133 amp generator model OTC-33 running.

http://www.youtube.com/watch?v=LrKVU9tZyQA

> price. I'd also like to find information on the entire CRN-2 RADAR
> set.

The AN/CRN-2 is NOT a radar. It is an air-transportable 25 watt glide-path transmitter, operating in the frequency range 329 to 335 MHz., and is complete with power supply, 30 foot mast and several antennas, in addition to the PU-1/CRN-2. The whole thing weighed 1800 lbs, including the trailer it was mounted on.

Here is a book that will show you some of the information you want.

http://www.scribd.com/doc/39145899/WWII-Radar-Navigation-Equipment

Your CRN-2 information starts on page 24 and continues to page 27.

There are photos and a description of how it all works.

Looks pretty neat to me.

I hope this helps.

Ken W7EKB

1036. Re: [glowbugradio] PE-75 generator

Yahoo group: glowbugradio
Date: 2011-11-24 13:57:07 UTC
From: Don Webster
Topic: 1018 Message: 1036

I was in charge of a later version over in Korea called the ANGRC-26. It had two R388 receivers as well as the BC-610 transmitter and associated RTTY equipment. It also had a top secret encripting machine.

We had two of the trailer mounted generators, but I don't remember their nomenclature. They were run 24 hours a day alternating each one every 12 hours.

We were located at 2nd division HQ and our mission was to call for air support from the Air Force.

Don K9MUF

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Tuesday, November 22, 2011 8:40 PM
Subject: Re: [glowbugradio] PE-75 generator

On 22 Nov 2011 at 19:07, lee wrote:

> You are probably correct. It´s been a LONG TIME since I used one.
> It must have been a PE-95 as I remember it had a start motor and a
> BC-610 rig would need more then just 2.5KW. The generator was of
> course used for other things but it always was mounted on a trailer
> pulled by a 2 1/2 ton truck, usually Studebaker, to power the ANG-26
> hut mounted on the bed of the truck.

Yes. That is correct. The first such unit was the SCR-299, which was mounted in a Dodge 4WD panel truck. Here is a movie that was made in WWII by Hallicrafters giving all sorts of details on the SCR-299. It even showed constructing a BC-610, testing it, then moving a BC-610 into the Dodge. It was quite a tight fit. That one also had the PE-95 in a trailer behind it.

Then the next iteration was the SCR-399, mounted in a 2 1/2 ton truck with the genny in a trailer behind it. In some versions of the SCR-399, there were 4 30 foot long whip antennas mounted on the corners of the hut. It had at least 1 BC-610 in it, BC-342 receivers, BC-614 speech amp, teletype gear, etc.

There was a long bench in the middle of the hut which was also a storage area for crystals, tuning units, plate coils, etc.

I have the manual for the SCR-399 around here some place. Every time I dig it out to look at it I drool on it. ;-)

I think the next iteration with different receivers and transmitters was the SCR-499, but I am not sure.

I know there was a version of that hut that had at least one TMC GPT-750A transmitter in it. I have seen photos of it. I think that one was used in Vietnam.

Ken W7EKB

1037. Re: [glowbugradio] CRN-2

Yahoo group: glowbugradio
Date: 2011-11-24 15:10:21 UTC
From: tvamfm@aol.com
Topic: 1018 Message: 1037
Attachments: 2 described; binary payloads are missing from this source WARC

In a message dated 11/24/2011 4:04:24 A.M. Eastern Standard Time,
kgordon2006@... writes:

http://www.scribd.com/doc/39145899/WWII-Radar-Navigation-Equipment
(http://www.scribd.com/doc/39145899/WWII-Radar-Navigation-Equipment)

Happy Thanksgiving Ken,

Thanks for the wealth of information on the CRN-2. I had always been told
it was a ground RADAR set but this info sure disproves that theory. The
fact that the frequency meter and possibly a volt meter are visible on the
control panel explains why there was no other instrumentation on the
generator itself, other than the oil gauge.

If you or anyone else has any further info on the PU-1 and/ or the CRN-2,
I'd sure be interested.

Here are a couple of shots of my PU-1 which I hope will pass through the
reflector. If not. I'll send them to you later. The little cart the
generator is mounted on is to facilitate it being pulled down the street to the
field day site in our neighborhood park. I pull it with a 50 year old
Craftsman garden tractor/ Seems like there are a lot of old things around here,
including the writer of this message. The site ids open to the public which
explains the framed description of the generator. Guess I'll have to change
the sign a bit since it says the unit powered a ground radar set.

Again, thanks for the info.

73,

John, W4AWM

1038. Re: [glowbugradio] CRN-2

Yahoo group: glowbugradio
Date: 2011-11-24 18:08:42 UTC
From: Kenneth G. Gordon
Topic: 1018 Message: 1038

On 24 Nov 2011 at 10:10, tvamfm@... wrote:

> Happy Thanksgiving Ken,

And Happy Thanksgiving to you and yours, John.

> Thanks for the wealth of information on the CRN-2.

You bet. Wish I could have found a manual, but that never turned up in a short search. However, I think I can get one through Interlibrary Loan at the local university. They are a military manual despository. I'll try sometime next week. I have also sent an e-mail request to Cummins. Trouble is, usually those outfits have destroyed all the "old" manuals. We'll see.

> I had always been
> told it was a ground RADAR set but this info sure disproves that
> theory. The fact that the frequency meter and possibly a volt meter
> are visible on the control panel explains why there was no other
> instrumentation on the generator itself, other than the oil gauge.

Agreed.

> If you or anyone else has any further info on the PU-1 and/ or the
> CRN-2, I'd sure be interested.
>
> Here are a couple of shots of my PU-1 which I hope will pass through
> the reflector.

I got them OK.

> If not. I'll send them to you later. The little cart the
> generator is mounted on is to facilitate it being pulled down the
> street to the field day site in our neighborhood park. I pull it with
> a 50 year old Craftsman garden tractor. Seems like there are a lot of
> old things around here, including the writer of this message.

Hey! Don't feel like the Alone Stranger ;-) I'll be 70 at my next birthday.

> The
> site is open to the public which explains the framed description of
> the generator. Guess I'll have to change the sign a bit since it says
> the unit powered a ground radar set.

Yup. You could even include some photos off that scribd link I sent you. You could print off all 4 pages, in fact. Many people would be very interested in that info.

> Again, thanks for the info.

You bet. BTW, you did a marvelous job on the control panel and outlet box. Looks almost factory-made.

Have you ever tried to "motor" the generator to start it? What you do is to apply 12 VDC to the field connections of the generator, and the generator should start to turn over. Usually they have enough power to start the engine. You could use this feature to remotely start it. But you have to remove the battery as soon as the engine starts. Relays, etc.

If you can get to the cover over the outer end of the generator, the field windings would be those connected to the brushes there. All older AC generators have a DC field winding. Many modern ones have a permanent magnet to excite the field and don't use a DC generator.

In your case, the generator starts so easily with a rope, you may not want to bother with the complexity of trying to "motor" it, but it is a thought...

And the engine on your PU-1 IS the OTC (Onan Twin Cylinder) shown on that youtube video I sent. That is really a neat little engine.

vy 73,

Ken W7EKB

1039. PE-75 for sale

Yahoo group: glowbugradio
Date: 2011-11-24 18:30:30 UTC
From: Kenneth G. Gordon
Topic: 1039 Message: 1039

Here is a PE-75 for sale out east. Someone might be interested in it.

Ebay item # 370554333820

Ken W7EKB

1040. Re: [glowbugradio] CRN-2

Yahoo group: glowbugradio
Date: 2011-11-25 05:12:40 UTC
From: tvamfm@aol.com
Topic: 1018 Message: 1040

Hi Ken,

<< I think I can get one through
Interlibrary Loan at the local university. They are a military manual
despository. I'll try sometime next week. I have also sent an e-mail
request to Cummins >>
I called Cummins some time ago asking for information on the OTC-70DN
civilian model but they had nothing. I didn't ask about the military version.
Maybe your luck will be better than mine.

Good idea about the library. Hopefully that may yield something. Every
time I see a box of surplus tech manuals at a hamfest, I go through it
thoroughly but have never lucked out. I don't think this rig was very popular on
the surplus market.

<< Hey! Don't feel like the Alone Stranger ;-) I'll be 70 at my next
birthday. >>
Just hit 74 in July!

<< Have you ever tried to "motor" the generator to start it? What you do
is to apply 12 VDC to the field connections of the generator, and the
generator should start to turn over. Usually they have enough power
to start the engine. You could use this feature to remotely start it.
But you have to remove the battery as soon as the engine starts.
Relays, etc. >>

This unit has one of the really old starter solenoids mounted in the cable
connection box on the side. It is the type that has a button on the top
for manual activation. If remote controlled starting is used, the coil of the
solenoid is activated by applying 12V to it and it functions as a normal
starter solenoid would, except in this cast it applies 12V to the field.
There are OEM terminals in the box for the purpose. They are wired to the 4
pin Cinch Jones connector visible on top of the outlet box. I have a 100
foot cable connected to this and to 2 normally open push button switches
mounted in a small box at the end of the cable. This is a multi-conductor and
also carries 110V for a single convenience outlet mounted in the box.
Normal generator output is through a 12-3 heavy duty rubber covered cable. I
installed a 15A circuit breaker on the outlet box also. I have never tripped
it but have never tried. I am careful not to overload the rig, although
I'm sure it would handle 2KW for a short period.

I have never started this plant with a rope. It has always been field
started. One would have to pull many times for it to suck enough fuel through
the supplied hose to fill the fuel pump glass and get fuel to the
carburetor. Normally I am very careful to let the field cool down between starting
attempt until I get the bowl full.

<< In your case, the generator starts so easily with a rope, you may not want to bother with the complexity of trying to "motor" it, but it is a thought...

And the engine on your PU-1 IS the OTC (Onan Twin Cylinder) shown on that youtube video I sent. That is really a neat little engine. >>

I can tell you that this little generator easily saved my house during a hurricane several years ago. Up until a year or so ago, the power here was less than reliable. It would go out on a perfectly clear windless day with no explanation from the power company. We lost power for 26 hours during the hurricane during which time I was playing "musical sump pumps" with an extension cord. When neither of my 2 window well pumps or the sump pump wasn't running, I had the fridge and a TV set plugged in, along with a couple of lights. It kept the basement dry, the food cold, me entertained and awake, the neighbors jealous and never missed a beat!

After that little foray, I did what I should have done when I moved into this house 30 years ago. There is now a 20KW automatic transfer, natural gas fired Cummins/Onan generator in the back yard. I like to call it very expensive insurance because we have rarely had a power failure since the installation, except for a few days during "snowmagadden" several winters ago. Of course, the power company began extensive tree trimming since the storm. I like to think I was at least partially responsible for that since every time the power even flickered, I used to call them and demand to know the cause of the outage and if extended, how long they estimated it would be out. I still do that.

I'm guessing they will be selling a lot of generators in Connecticut since that problem last month. My folks used to live in Wilton and after one experience with a power outage lasting several days and huddling around the fireplace, they had a 7.5KW propane fired Onan installed. It would run a fair amount of the house since the furnace and water heater were oil fired. I'm guessing the folks who bought that place were happy if they kept the thing serviced after those many years since the house was sold.

I recently bought a weekend place in WV from some friends. One reason I jumped at the sale was that they had a 25KW automatic propane fired GeneRac installed. I'm not a fan of GeneRac but I have to say it does the job. I was up there during the same snow that hit CT a few weeks ago and the unit ran for 36 hours without a hickup. That snow was not expected, especially in WV. Had I known it was going to snow, I'd have stayed home. We never saw a flake here in VA.

73,

John

1041. Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 05:46:21 UTC
From: davidpnewkirk
Topic: 1005 Message: 1041

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:

> Hmmmm.....the 6BG6G looks suspiciously like an octal based 807.

That's exactly what it was, minus the stem shield. It even had the ceramic plate insulators of the 807--which insulators soon disappeared from both tubes as they were adapted to mainly-non-RF service.

What we need to keep in mind is that the 6BG6 was the 6L6 reapplied as a horizontal sweep tube. As the tube evolved to its GA form, other changes were made to enhance its behavior in that service; for example, one or two of the 6BG6GAs in my stash have quarter-inch-square grid radiators sticking up above the upper mica insulator/spacer on posts. Another GA of a different brand has all that space between the tube assembly and the envelope top but omits the grid radiators.

As for the BG6's somewhat higher ratings relative to the 6L6, keep in mind that (a) the 6L6's ratings were for Class A service and the BG6's were for sweep service, and (b) what ultimately limits intelligent application of power tubes is not so much their plate dissipation as their cathode emission. 100 to 110 mA is the upper limit of the plate current that should be run with an indirectly heated tube operating with a heater power of 5.7 W. Pushing any transmitting tube beyond its max ratings rarely makes a consistently discernible difference in received signal strength, but the cathode (and secondarily the plate) of an overloaded tube _really_ feels it to the detriment of its useful life.

BTW, a tube well worth seeking out if you're into metal 6L6s is the 1631, a 12.6-V version derated for (I think) PA service. The half dozen or so I have is at least a two-lifetime supply for my 8- to 14-W-out Summer40Winter80 cookie-tins rig, which these days is perking with a 10JA5 anyway...

Best regards,

Dave
amateur radio W9VES

1042. Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 06:17:43 UTC
From: davidpnewkirk
Topic: 1005 Message: 1042

--- In glowbugradio@yahoogroups.com, N2EY@... wrote:

> Yes, it does. But it's not exactly the same. In particular, the Cgp is higher, so operation without neutralization could be dicey.
>
> However, W1ICP figured all that out half a century ago, in the "65 Watts At Low Cost" rig, which solved all the problems. What is particularly interesting about that rig is that there is only one B+ (350 volts or so, from old TV power iron) and so the plate tuning cap can be a BC variable.

A local buddy of mine in Chicago (Alan Erickson, WN9AIH) had built his copy of that rig out of Understanding Amateur Radio, cane-metal cabinet top and all. We used it on Field Day in 1971.

BTW, look very closely at McCoy's circuit. Notice that its neutralization _cannot not work at 80 meters_ as shown? As if that wasn't bush-league enough, in the version McCoy built he put the BC-variable TUNE and LOAD caps so close together that the midline-mounted plates of one collided with the other at the lower end of its capacitanc range, and didn't even fix it before taking the photo. Oh, boy.

> I don't know how well the classic ST-bottle 6BG6GT would work
> above 20 meters or so, due to the capacitances and long leads.
> But for a classic 80/40 CW rig they could do the trick.

If the 807 would work at 10, so would the 6BG6G--if you neutralized it. As I mention in my web pages at http://mysite.verizon.net/dpnewkirk/ej/beam_power_tube_parasitics/, the greatest problem with the 807 (and likely with the 6BG6G) for RF--aside from the necessity of neutralization to avoid self-oscillation--would have been screen-negative-resistance parasitics exacerbated by the tube's long internal leads. (WN9AIH's had 'em: Strong key clicks [they commonly occur on break] that no fiddling with keying-line time constants could touch.)

BTW, as for "no neutralization required" for beam tetrodes, I share By Goodman's laughing characterization of that concept--even for true RF pentodes of the 802 and 804 and larger classes--as "a fraud." Many, if not most, power tetrodes and pentodes operated common-cathode with plate and grid tuned to the same frequency are actually operating as locked oscillators. The Hallicrafters HT-40 recently given me by a friend is an example of this bad joke; the hysteresis in its final tuning was so bad as to be comical. Now I have the thing neutralized and its dangerously cheesy voltage-doubling power supply (560 V key up, 430 V key down!!) rewired to provide 280 V with a full-wave bridge, and it puts out a nice 15 to 18 W you can depend on--a sinecure for its 6DQ5. For SKN I'll be building a good 450-V outboard supply to bring its output back up to the Novice Gallon level; if I have time I'll build in driver-plate/screen and final-screen primary keying as well; viva la W2AN.

Best regards,

Dave
amateur radio W9VES

1043. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 06:33:53 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1043

On 30 Nov 2011 at 5:46, davidpnewkirk wrote:

> their cathode emission. 100 to 110 mA is the upper limit of the plate
> current that should be run with an indirectly heated tube operating
> with a heater power of 5.7 W.

David: is there some formula which directly relates filament power to
maximum plate current or plate power input?

> BTW, a tube well worth seeking out if you're into metal 6L6s is the
> 1631, a 12.6-V version derated for (I think) PA service. The half
> dozen or so I have is at least a two-lifetime supply for my 8- to
> 14-W-out Summer40Winter80 cookie-tins rig, which these days is perking
> with a 10JA5 anyway...

I have read various places on the web about your cookie-tin rig, but
have yet to find a schematic or photos of it. Do you have such posted
somewhere?

Ken W7EKB

1044. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 08:06:32 UTC
From: Ronnie Hull
Topic: 1005 Message: 1044

I have 5 new in box 6bg6's if anyone wants them

Ronnie - W5SUM

1045. RE: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 15:13:38 UTC
From: Tom Bridgers
Topic: 1005 Message: 1045

Ronnie,Are they plain 6BG6's or are they 6BG6GA's?If the latter, how much are you asking?Thanks,-tom

To: glowbugradio@yahoogroups.com
From: ronnie.hull@...
Date: Wed, 30 Nov 2011 02:06:32 -0600
Subject: Re: [glowbugradio] Re: 6BG6G

I have 5 new in box 6bg6's if anyone wants
them

Ronnie - W5SUM

1046. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 18:33:44 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1046

-----Original Message-----
From: davidpnewkirk <david.newkirk@...>

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:

>> Hmmmm.....the 6BG6G looks suspiciously like an octal based 807.

>That's exactly what it was, minus the stem shield.

I have to disagree. While very similar, the much greater Cgp and the higher perveance of the 6BG6G tell me there are more differences between 807 and 6BG6G than just the shields. That said, I think that many 807 circuits can be easily adapted to 6BG6G.
73 de Jim, N2EY

1047. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 18:50:58 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1047

-----Original Message-----
From: davidpnewkirk <david.newkirk@...>

--- In glowbugradio@yahoogroups.com, N2EY@... wrote:

>> Yes, it does. But it's not exactly the same. In particular, the Cgp is higher, so

>>operation without neutralization could be dicey.
>
> >However, W1ICP figured all that out half a century ago, in the "65 Watts At

>>Low Cost" rig, which solved all the problems. What is particularly interesting

>>about that rig is that there is only one B+ (350 volts or so, from old TV power iron)

>>and so the plate tuning cap can be a BC variable.

>A local buddy of mine in Chicago (Alan Erickson, WN9AIH) had built his copy of that rig

>out of Understanding Amateur Radio, cane-metal cabinet top and all. We used it on Field Day in 1971.

KEWL!!

>BTW, look very closely at McCoy's circuit. Notice that its neutralization _cannot not work at 80

>meters_ as shown?

I think you meant "cannot work". And it can't! But 80 isn't nearly so fussy as higher bands.
Many MOPAs were able to avoid neutralization by not having the grid and plate tanks on the same frequency. They did this by using an oscillator stage which could provide more drive than needed, and detuning the tuned circuit between oscillator and amplifier to reduce drive to the rated amount. The Heath DX-20/HX-11 and the Johnson Adventurer both use this method, as does "65 Watts". On 80, with an 80 meter crystal and beam-power finals that don't need lots of drive, it works. (Note that many MOPAs double in the final on 10 meters).
Another trick was resistive loading - which DX-20 and Adventurer did.

>As if that wasn't bush-league enough, in the version McCoy built he put the BC-variable TUNE and LOAD caps >so close together that the midline-mounted plates of one collided with the other at the lower end of its >capacitanc range, and didn't even fix it before taking the photo. Oh, boy.

One of the cap shafts doesn't look like it's at right angles to the panel, either. I'm also not a fan of the ungrounded grid tuning cap shaft sticking out of the panel.

But the design itself is pretty good, all things considered. Particularly considering how many TV/BC parts are used.

Maybe I'll have to build one to see how really good/bad it is. W1ICP used 6BG6GAs, but mentioned that other tubes could be used.
I have all the parts!

The thing I thought odd was the very long plate lead, because the tubes are above chassis but the plate and load caps below. This arrangement was also used in a 40 watt 6AG7-807 Novice rig about 1960, which looks a lot like "65 Watts", down to the cane-metal top.

Good to hear from you again, Dave!

73 de Jim, N2EY

1048. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 19:10:12 UTC
From: Ronnie Hull
Topic: 1005 Message: 1048

sorry tom they are already spoken for

1049. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-11-30 19:38:29 UTC
From: Carl
Topic: 1005 Message: 1049

----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Wednesday, November 30, 2011 1:33 PM
Subject: Re: [glowbugradio] Re: 6BG6G

-----Original Message-----
From: davidpnewkirk <david.newkirk@...>

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...>
wrote:

>> Hmmmm.....the 6BG6G looks suspiciously like an octal based 807.

>That's exactly what it was, minus the stem shield.

I have to disagree. While very similar, the much greater Cgp and the higher
perveance of the 6BG6G tell me there are more differences between 807 and
6BG6G than just the shields.
That said, I think that many 807 circuits can be easily adapted to 6BG6G.
73 de Jim, N2EY

As I said earlier the 6BG6 family is more of a 6W6/6Y6 on steroids than any
of the others suggested.

The GA works just fine on 10M with attention to layout and basic stability
procedures, I dont doubt it could be made to work on 6M.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4048 - Release Date: 11/30/11

1050. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-01 00:07:16 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1050

In a message dated 11/30/2011 2:38:42 P.M. Eastern Standard Time,
km1h@... writes:

>As I said earlier the 6BG6 family is more of a 6W6/6Y6 on
> steroids than any
> of the others suggested.

How do you figure?

The 6W6 and 6Y6 have more-powerful heaters, but are otherwise lower-rated.
Just looking at the plate curves, the 6BG6 is closer to 807 and 6L6.

btw, my RCA RC-20 manual gives Cgp for 6BG6 as 0.34 uuF but 0.8 uuF for
6BG6GA. Cin and Cout are 12/11 and 6.5/6, respectively.

73 de Jim, N2EY

1051. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-01 03:08:18 UTC
From: Carl
Topic: 1005 Message: 1051

----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Wednesday, November 30, 2011 7:07 PM
Subject: Re: [glowbugradio] Re: 6BG6G

In a message dated 11/30/2011 2:38:42 P.M. Eastern Standard Time,
km1h@... writes:
>As I said earlier the 6BG6 family is more of a 6W6/6Y6 on
> steroids than any
> of the others suggested.

How do you figure?

** Simple, I read the spec sheets of the latter pair and see they are high perveance tubes.

The 6W6 and 6Y6 have more-powerful heaters, but are otherwise lower-rated.

** Low voltage and high current combined with a high reserve emission. Triode connected the 6W6 should be a nice Class B modulator or driver tube. Its big brother, the 4D32, is one of my favorites; a pair will run 250W RF out.

Just looking at the plate curves, the 6BG6 is closer to 807 and 6L6.

** Actually its stated that it is essentially a mechanical redesign of the 6L6G. While not truly a high perveance tube it does have a fairly high peak current rating and the curves give it a slight edge over the 6L6G.

btw, my RCA RC-20 manual gives Cgp for 6BG6 as 0.34 uuF but 0.8 uuF for 6BG6GA. Cin and Cout are 12/11 and 6.5/6, respectively.

73 de Jim, N2EY

** The 6L6G Cgp is a whopping .9pf and .4 for the 6L6.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/4048 - Release Date: 11/30/11

1052. Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-01 13:21:54 UTC
From: davidpnewkirk
Topic: 1005 Message: 1052

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:

> The 6W6 and 6Y6 have more-powerful heaters, but are otherwise lower-rated.

From their mechanical construction and specs, they're clearly not 6L6 variants. Higher transconductance, higher heater power, a flat, rectangular anode box compared to that classic 6L6/807 anode look.

> Its big brother, the 4D32, is one of my favorites; a pair will run 250W RF
> out.

My late uncle's 32V-3, which I used after upgrading to General in late 1969, used one. A way kewl tube that specs out to be almost exactly like a pair of 6146s in parallel. And you can buy them NOS for $30 nowadays. Built-in screen bypass, if I recall right; Collins had figured out how to end-run empowering screen-negative-resistance parasitics by making the lead length between screen terminal and bypass cap close to zero, in addition to other excellent engineering.

> Just looking at the plate curves, the 6BG6 is closer to 807 and 6L6.
>
> ** Actually its stated that it is essentially a mechanical redesign of the
> 6L6G. While not truly a high perveance tube it does have a fairly high peak
> current rating and the curves give it a slight edge over the 6L6G.
>
> btw, my RCA RC-20 manual gives Cgp for 6BG6 as 0.34 uuF but 0.8 uuF for
> 6BG6GA. Cin and Cout are 12/11 and 6.5/6, respectively.
>
> 73 de Jim, N2EY
>
> ** The 6L6G Cgp is a whopping .9pf and .4 for the 6L6.

There are many ways to rebase a tube and vary subtleties like Ggp in the process. Look at the Cgp of the T-21 (1.2 pF, I think) and RK-49 (1.4 pF!) relative to the 6L6. Understand also that the grounded metal shell of the 6L6 in effect reduces Cgp by shunting; shielding any unshielded tube--with a reasonable close-fitting shield--will reduce its Cgp. (Look also at the 6GK6 and 6BQ5, which from their specs are obviously exactly the same innards, but which rebasing [including bringing out "G3" separately in the GK6] results in considerable lowering of Cgp for the GK6. I put quotes around G3 because, from the kink in the GK6 curves, I think it's not a true pentode...)

Sure would be fun to see Cgp re-measured for an stem-shieldless 807...

One thing that's going on with the 6BG6 is a _re-rating of an existing design for a different type of service_, which would be horizontal deflection service at 15.75 kHz. Its requirements are well-defined, including very high voltage and current peaks that are quite different from what we do in Class C for RF.

Best regards,

Dave
amateur radio W9VES

1053. Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-01 13:40:23 UTC
From: davidpnewkirk
Topic: 1005 Message: 1053

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:

> David: is there some formula which directly relates filament power to
> maximum plate current or plate power input?

There is, and I'll track it down for you. There are actually different formulas for different cathode types, which is to say "cathodes with different emission"; they eye-openingly exemplify, for example, why thoriated-tungsten filamentary cathodes must be run at higher powers relative to oxide-coated cathodes for the same current capability. (Every time I daydream about picking up an 803 and playing around with it, I look again at how much power I'll be running just to light it up...)

> I have read various places on the web about your cookie-tin rig, but
> have yet to find a schematic or photos of it. Do you have such posted
> somewhere?

No; guess I'd better make with a camera and post up here somewhere. Right now my webpages are entirely frozen, as Verizon took away direct FTP access for us unless we "upgrade" by ponying up another 6 bucks or so per month, and I absolutely will not be forced into using the only option now available to me: their "free" websites-for-dummies editing tool that won't even let me import my existing content and keep it at the same URL. (I write my own HTML with a development-class text editor and FTP it to the server, thanks.) Real Soon Now I'll sign up for the reduced-rate premium Comcast service I can get through work...

Best regards,

Dave
amateur radio W9VES

1054. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-01 14:40:25 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1054

-----Original Message-----
From: davidpnewkirk <david.newkirk@...>

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:

>> David: is there some formula which directly relates filament power to
>> maximum plate current or plate power input?

>There is, and I'll track it down for you.

But you don't really need it.

RC-20 (RCA Receiving Tube Manual) says that for 6BG6G the maximum average cathode current is 110 mA - exactly what Dave says.
So it would be smart to run a pair at not more than 220 mA. With a 350 volt supply that's 77 watts, including screen and grid currents. Say a Novice gallon.

Other sweep tubes such as the 6DQ6 have 1.2 amp heaters, and the monster 6CD6 (which appears to be a predecessor of the 6DQ5) even more.

>There are actually different formulas for

>different cathode types, which is to say "cathodes with different emission"; they

>eye-openingly exemplify, for example, why thoriated-tungsten filamentary

>cathodes must be run at higher powers relative to oxide-coated cathodes for

>the same current capability. (Every time I daydream about picking up an 803

>and playing around with it, I look again at how much power I'll be running just to light it up...)

Yes, but they're so bright you won't need a desk lamp.
The bottle I want is an 852. 861 would be great but they're huge.

It is my understanding that thoriated-tungsten filaments were developed because of the enormous power requirements and short life of pure-tungsten filaments. I have read that many 1920s-era tubes with the A suffix are thoriated-tungsten versions of earlier pure-tungsten tubes, and that very few working examples of pure-tungsten tubes survive because they burned out fast.
Besides the power, note that thoriated-tungsten filaments are quite fussy about supply voltage. Too low can be as bad as too high. A typical oxide-coated cathode has a tolerance of plus-minus 10% while a typical thoriated-tungsten only plus-minus 5%. For a tube with a 5 volt filament, 5% is only 0.25 volt.
73 de Jim, N2EY

1055. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-01 14:50:22 UTC
From: Carl
Topic: 1005 Message: 1055

----- Original Message -----
From: davidpnewkirk
To: glowbugradio@yahoogroups.com
Sent: Thursday, December 01, 2011 8:40 AM
Subject: [glowbugradio] Re: 6BG6G

There is, and I'll track it down for you. There are actually different formulas for different cathode types, which is to say "cathodes with different emission"; they eye-openingly exemplify, for example, why thoriated-tungsten filamentary cathodes must be run at higher powers relative to oxide-coated cathodes for the same current capability. (Every time I daydream about picking up an 803 and playing around with it, I look again at how much power I'll be running just to light it up...)

** If you think an 813 is severely underated try pushing an 803. Ive hi potted to beyond 10kV and in GG service they dont even blush at 3200V at 300ma. The filament requirements are identical to the 813 and at 50W its far from a lot....unless you are only used to QRP (-;

Compare either of the above to the 572B's wimpy 25W filament but 165W Pd and its no surprise why they often have a short emissive life when pushed hard. The Chinese tubes are factory rated at 125W Pd but resellers keep using the old 165W Cetron rating.

Sorry to drift off subject.

Carl
KM1H

Carl
KM1H

1056. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-01 17:42:15 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1056

On 1 Dec 2011 at 13:40, davidpnewkirk wrote:

> --- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon"
> <kgordon2006@...> wrote:
>
> > David: is there some formula which directly relates filament power
> > to maximum plate current or plate power input?
>
> There is, and I'll track it down for you. There are actually different
> formulas for different cathode types, which is to say "cathodes with
> different emission"; they eye-openingly exemplify, for example, why
> thoriated-tungsten filamentary cathodes must be run at higher powers
> relative to oxide-coated cathodes for the same current capability.
> (Every time I daydream about picking up an 803 and playing around with
> it, I look again at how much power I'll be running just to light it
> up...)

That never particulary bothered me. Think of the 304TL for example: 5 volts at 25 amps or 125 watts just to light it up! :-) A pair in push-pull requires 250 watts just to light the filaments. Now THAT is impressive!

I will be very happy to send you, free, one good 803. Just post me your mailing address.

I had planned to use a pair of them in a 300 watt push-pull "VFO", which I will connect to an antenna, probably through my antenna coupler. I have not yet decided whether to use a push-pull Hartley circuit, or a push-pull modified-TNT circuit. Hartely's are SO hard to band-switch. :-)

> No; guess I'd better make with a camera and post up here somewhere.

I can offer my website, at least temporarily.

> Right now my webpages are entirely frozen, as Verizon took away direct
> FTP access for us unless we "upgrade" by ponying up another 6 bucks or
> so per month, and I absolutely will not be forced into using the only
> option now available to me: their "free" websites-for-dummies editing
> tool that won't even let me import my existing content and keep it at
> the same URL. (I write my own HTML with a development-class text
> editor and FTP it to the server, thanks.) Real Soon Now I'll sign up
> for the reduced-rate premium Comcast service I can get through work...

We have our own website(s) through a very inexpensive outfit named hostforweb.com, headquartered in Chicago. For $9.95/month, they provide you with an incredible number of apps and services. We have

used them for at least 5 years now, and have been completely satisfied with them. We very highly recommend them.

Ken W7EKB

1057. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-01 22:02:53 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1057

-----Original Message-----
From: davidpnewkirk <david.newkirk@...>

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:

>> Its big brother, the 4D32, is one of my favorites; a pair will run 250W RF
>> out.

>My late uncle's 32V-3, which I used after upgrading to General in late 1969, used one. A way kewl tube that >specs out to be almost exactly like a pair of 6146s in parallel. And you can buy them NOS for $30 nowadays.

The 4D32 was also used in the Viking 1. There is a variant whose number I cannot recall that is electrically identical except for heater voltage/current.

The story I heard was that it was originally meant to be a radar pulse modulator. Of course the design was good for RF as well, and since it predated the 6146 found its way into various designs.
Only problem was that once the 6146 appeared the 4D32 became yesterday's news, even more so than the 807. Production of 6146 soared while production of 4D32 dropped. The only user was the military, for a particular radar system. By the 1970s or so 4D32 was rare and expensive and it only got worse in the 1980s and later. The value of rigs which used it dropped too, because who wanted a rig with a rare and expensive final? (I heard of Viking 1s being converted to use 6146s because the 4D32 was so expensive).

Then (so the story goes), a large supply of NOS 4D32 became surplus because the last examples of that radar were removed from service. The price of 4D32s fell and they became much easier to find.
Anybody confirm the story?
73 de Jim, N2EY

1058. 4D32 & 4D22

Yahoo group: glowbugradio
Date: 2011-12-01 22:13:37 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1058

These tubes are cousins - almost twins. Identical except for the heater.

4D32 has a single heater requiring 6.3 volts 3.75 amps (23.625 watts - 50% more power than a pair of 6146s!)

4D22 has a center-tapped heater that can have the sections in series or parallel, like a 12BY7.

In parallel, 12.6 volts at 1.6 amps; in series 25.2 volts at 0.8 amps.

Yes, that's only a bit over 20 watts, but it's what the data sheets say, and still more than the 15.75 watts of a pair of 6146s.

Because of the internal screen-to-cathode bypass, grounded-grid operation isn't too practical.

73 de Jim, N2EY

1059. Re: [glowbugradio] 4D32 & 4D22

Yahoo group: glowbugradio
Date: 2011-12-01 22:38:27 UTC
From: David Newkirk
Topic: 1005 Message: 1059

I was thinking of the signal-handling capability as being
two-paralleled-6146sish, not necessarily the cathode power. :-)

But you're getting the picture. Yes, I think the 4D32/22 were intended to
be pulse modulators--in aviation/mil situations. (So was the 304TL and its
similars, no?) For pulse service we'll need to handle big peak currents for
the life of the tube. For aviation/mil service we'll need headroom over
that, and for reliability we'd need headroom for our headroom. (For the
record, in writing that posting just before dashing to today's NYC train
ride I alluded to Collins engineering the 4D32; that would have been
Raytheon engineering, of course.)

Hams have been accustomed to running power active devices at or beyond full
capacity as long as hamdom has existed. That's fun for us, but bad
engineering for--cliche alert--365/24/7 service, especially where lives and
countries are at stake. I recall in a mid-1930s *QST* a Stray that
leveraged that hammy tendency in parodying a National Recovery
Administration slogan of the day: We Doom Our Parts. Then there's Larson E.
Rapp's statement in his first-ever April piece "Putting Dynamic
Prognostication to Work" that the plate current of his circuit's wackily
applied 6L6 should "200 ma. for several seconds."

Best regards,

Dave
amateur radio W9VES

On Thu, Dec 1, 2011 at 5:13 PM, <N2EY@...> wrote:

> **
>
>
>
> These tubes are cousins - almost twins. Identical except for the heater.
>
> 4D32 has a single heater requiring 6.3 volts 3.75 amps (23.625 watts - 50%
> more power than a pair of 6146s!)
>
> 4D22 has a center-tapped heater that can have the sections in series or
> parallel, like a 12BY7.
>
> In parallel, 12.6 volts at 1.6 amps; in series 25.2 volts at 0.8 amps.
>
> Yes, that's only a bit over 20 watts, but it's what the data sheets say,
> and still more than the 15.75 watts of a pair of 6146s.
>

> Because of the internal screen-to-cathode bypass, grounded-grid operation
> isn't too practical.
>
> 73 de Jim, N2EY
>
>
>
>

--
David Newkirk
david.newkirk@...

1060. Re: [glowbugradio] 304TL

Yahoo group: glowbugradio
Date: 2011-12-01 23:10:32 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1060

On 1 Dec 2011 at 17:38, David Newkirk wrote:

> But you're getting the picture. Yes, I think the 4D32/22 were intended
> to be pulse modulators--in aviation/mil situations. (So was the 304TL
> and its similars, no?)

Yes. Definitely. I have also seen more than one piece of laboratory equipment that used as many as a dozen 304TLs as shunt regulators.

We used one 304TL in a heavily modified BC-610 as a "linear" amp for AFMARS phone patching during the Vietnam war. Carrier power output for tune-up purposes was 2600 watts. We biased it in "projected" Class B, and regulated the bias voltage at the tube socket with an 811 set up as a shunt-regulator (plate grounded, bias fed in at the grid, 100 K resistor between cathode and grid, bias to final from cathode).

The plates were yellow-hot at tune-up, but we sure didn't leave it that way very long.

We ran our BC-610s that way for over a year, and the tubes were just as good when we went to a more capable amp (Henry) as when we started.

That 125 watt filament probably made that possible.

At this late date, I somehow doubt that the entire setup output (verb) a signal that met today's requirements for purity.

I have always wanted to set the system back up just to examine its linearity more closely. I'll bet it was pretty bad.

Ken W7EKB

1061. Re: [National] RDG and HRO manuals

Yahoo group: glowbugradio
Date: 2011-12-01 23:51:11 UTC
From: Kenneth G. Gordon
Topic: 1061 Message: 1061

On 1 Dec 2011 at 17:37, Gary Pewitt wrote:

> I keep getting 404 errors on all of the links. I tried everything I
> could think of and can't get access. I'm running firefox.

I use FireFox too.

What you need to do is to copy-and-paste the first set of URLs we were given, one at a time,
into Word, then delete the last "/" and everything after it, then copy-and-paste what you have
left back into FireFox's browser.

If you do this correctly, mediafire will find the correct files for you and present them to you to
download.

If that doesn't work for you, let me know, and we will figure something else out that will work.

I got all three files just fine this way.

Ken W7EKB

1062. Re: 304TL

Yahoo group: glowbugradio
Date: 2011-12-02 02:22:43 UTC
From: davidpnewkirk
Topic: 1005 Message: 1062

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:

> The plates were yellow-hot at tune-up, but we sure didn't leave it
> that way very long.

Thanks for that story from experience, Ken. I consider such personal history priceless. So here's another 304TLish story in return:

My Elmer--the Elmer that lent his name to the term, Elmer P. "Bud" Frohardt, Jr, W9DY--had a homebrew 304TL amplifier. Bright plate glow was normal/okay for the 304TL, he had explained, but his particular setup had a glitch he was fighting one day as I watched him working a pileup on 10 or 20: If he transmitted too long, the 304TL would go into thermal runaway. Across each transmitted word and phrase you'd see the 304TL's plates color up and fade; when runaway took hold, though,they'd color up, stay colored after key-up, and keep getting brighter. A quick knee on the TR switch would recycle his control/bias system somehow and calm 'em back down.

Knee? In that era, Bud was using a kick-operated TR switch: He had mounted a doorbell button on a board under and parallel to the undersurface of his operating table, positioning the button just so over one knee. The button operated a latching relay that controlled his TR switching system. One kick up--heel and arch only, toes on the floor--put the station into transmit; another kick up put it back into receive. So when the 304TL flared, he'd fire off an extra quick pair of kicks and be back in business.

Best regards,

Dave
amateur radio W9VES

1063. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-02 02:44:56 UTC
From: Carl
Topic: 1005 Message: 1063

----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Thursday, December 01, 2011 5:02 PM
Subject: Re: [glowbugradio] Re: 6BG6G

-----Original Message-----
From: davidpnewkirk <david.newkirk@...>

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:

>> Its big brother, the 4D32, is one of my favorites; a pair will run 250W
>> RF
>> out.

>My late uncle's 32V-3, which I used after upgrading to General in late
>1969, used one. A way kewl tube that >specs out to be almost exactly like a
>pair of 6146s in parallel. And you can buy them NOS for $30 nowadays.

** I'll try to seperate some facts from fiction

The 4D32 was also used in the Viking 1.

** And the HT-20.

There is a variant whose number I cannot recall that is electrically
identical except for heater voltage/current.

** 4D22, 12.6 and 25.2V filament. Ive bought several NIB for $5-10 and built up a couple of 6M AM rigs that were shipped around to new owners. The 4D22 never took off in the commercial mobile and aviation market for which it was developed as a single 6883 or 5894 was more cost effective for the newly available 12V automotive electrical systems which were still using generators until the 60's.

The story I heard was that it was originally meant to be a radar pulse
modulator.

** It was originally developed as a RF tube right after (or during) WW2, didnt have a VT or JAN ID at the time. The Viking I came out in 1946 and the 32V1 in 1948 or 49. It was also used in a Raytheon developed radar that saw service in the Korean war and the USAF claimed precedence and due to limited production Hallicrafters and Johnson had to scramble. Collins must have paid somebody off since they always had availability.

Of course the design was good for RF as well, and since it predated the
6146 found its way into various designs.
Only problem was that once the 6146 appeared the 4D32 became yesterday's

news, even more so than the 807.

** RCA was seriously bothered about the 4D32 and when it became war related they rushed a bigger 2E26 into production and Johnson got the prototypes and the V-II came along. Hallicrafters didnt sell many HT-20's and it was simply dropped.

Production of 6146 soared while production of 4D32 dropped. The only user was the military, for a particular radar system. By the 1970s or so 4D32 was rare and expensive and it only got worse in the 1980s and later. The value of rigs which used it dropped too, because who wanted a rig with a rare and expensive final?

** Collins 32V's never dropped in value except when AM became obsolete. When nostalgia kicked in during the 80's the value soared.

(I heard of Viking 1s being converted to use 6146s because the 4D32 was so expensive).

** The 829B was the initial swap and then the 5894. Johnson had a single sheet of instructions for the 829B which was almost PnP but dropped the power output to 95W CW and 87W on AM.
Once the V-II was in production a 6146 subassembly kit was offered to V-I owners; Ive only seen a few of them.

Then (so the story goes), a large supply of NOS 4D32 became surplus because the last examples of that radar were removed from service. The price of 4D32s fell and they became much easier to find.
Anybody confirm the story?
73 de Jim, N2EY

** The USAF in their wisdom kept buying 4D32's into the late 90's when someone finally realized the radar was scrapped in the 70's. Unused tubes with older date codes were crushed and new ones put into the warehouse.....every year. Then they all went to surplus sales. I bought 4 for $9.95 each and havent used any yet other than test but I do use a V-I and 32V2 as well as looking for a HT-20 within driving distance.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2102/4050 - Release Date: 12/01/11

1064. Re: [glowbugradio] Re: 304TL

Yahoo group: glowbugradio
Date: 2011-12-02 04:10:24 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1064

On 2 Dec 2011 at 2:22, davidpnewkirk wrote:

> --- In > The plates were yellow-hot at tune-up, but we sure didn't leave it
> > that way very long.
>
> Thanks for that story from experience, Ken. I consider such personal history priceless. So here's
> another 304TLish story in return:

Thank you, David, I thoroughly enjoyed your story below!

> My Elmer--the Elmer that lent his name to the term, Elmer P. "Bud" Frohardt, Jr, W9DY--had a
> homebrew 304TL amplifier. Bright plate glow was normal/okay for the 304TL, he had explained,
> but his particular setup had a glitch he was fighting one day as I watched him working a pileup on
> 10 or 20: If he transmitted too long, the 304TL would go into thermal runaway. Across each
> transmitted word and phrase you'd see the 304TL's plates color up and fade; when runaway took
> hold, though,they'd color up, stay colored after key-up, and keep getting brighter.

That was very, very common at that time: the cause was discovered some time after that.

The cause was that the 304TL had a "resonance" at 40 MHz which very often caused it to suddenly go into a parasitic oscillation at that frequency. We used to install a 40 MHz parallel-
tuned trap in each grid lead, and that would stop it cold.

Amps using the 304TL would be unconditionally stable once that trap was installed...or two of
them in push-pull amps.

Neat story, David! :-)

Ken W7EKB

1065. Re: 304TL

Yahoo group: glowbugradio
Date: 2011-12-02 05:33:04 UTC
From: davidpnewkirk
Topic: 1005 Message: 1065

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:

> > 10 or 20: If he transmitted too long, the 304TL would go into thermal runaway. Across each
> > transmitted word and phrase you'd see the 304TL's plates color up and fade; when runaway took
> > hold, though,they'd color up, stay colored after key-up, and keep getting brighter.
>
> That was very, very common at that time: the cause was discovered some time after that.
>
> The cause was that the 304TL had a "resonance" at 40 MHz which very often caused it to
> suddenly go into a parasitic oscillation at that frequency. We used to install a 40 MHz parallel-
> tuned trap in each grid lead, and that would stop it cold.
>
> Amps using the 304TL would be unconditionally stable once that trap was installed...or two of
> them in push-pull amps.

So now I know...the rest of the story! :-) Thanks, Ken!

Another snippet:

W9DY, along with my dad and a select few others across the decades, was "by day" a radio operator at Illinois State Police District 3, a mile or two away at the intersection of Harlem and Irving Park Avenues in Chicago, for both VHF-FM voice and interzone medium- and high-frequency CW. (As time allowed they also maintained troopers' cars' two-way radio installations and [I think] their sirens and lights). In the slow wee hours of the midnight shift they'd occasionally put the station's big Wilcox Electric MF/HF rig on 7090 (not only great for ragchews, but historically also the frequency for QPO, the Police Operators' Net) for quick extracurricular QSOs. The interzone CW antenna was a long random wire with its far end supported a third of the way or so up the red and white AM-BC-like tower out back (ex-1610 kHz from the 1930s, call sign--still on the front of the building then!--WQPC). Just before it hit the wall insulator on its way out and up, the antenna wire did one loop through a fluorescent-tube ring for low-tech RF-output-or-not indication: Even though the lamp was out of sight behind a floor-to-ceiling bank of equipment cabinets, from their operating position the ops could see it flash that whole corner of the room white with every press of their keys.

You can get a glimpse of that big Wilcox rig behind the gang in the upper picture in the page at
http://www.msprg.com/MSPRG/Other%20Agencies/Illinois/Illinois.htm ; that's my dad, second from the left; the operating console had been renewed and was perpendicular to the Wilcox front panel by the late 60s. Dig those crazy ties! By the late 1960s, the HF receivers were Wilcox CW-3s (or the National equivalent) and a stack of NC-400s off the left end of the console--the 5U4GB in the lower one of which was sauce-stained because the ops used to

slide foil-wrapped Poor Boy sandwiches into the set's cabinet from the back to warm them up for lunch. I had the privilege of knowing Perlman, Erickson, and Wingate--and others, including John Rosenbery, W9PBI, who personally taught me his crystal-grinding technique (described in September 1969 QST) on a card table set up behind the District 3 operating console.

BTW, frequencies are like places to me; bands are like landscapes; tuning dials are like maps. The 7090 region is hallowed ground for me for reasons I relate in "Farewell to Monrovia" (http://mysite.verizon.net/dpnewkirk/ej/farewell_to_monrovia.htm), along with 7193.

Just scored on Ebay a new-in-box Bliley BC-3 at 7105 (closer to 7110 in my Crystalizer). That brings other stories to mind, but a dictate in its instruction sheet--"Do not use this crystal in a Tri-tet circuit with the output tuned to the crystal frequency"--also reminds me that I owe you more about that 813 crystal-oscillator circuit. I'll get back to that discussion this weekend.

Best regards,

Dave
amateur radio W9VES

1066. Re: [glowbugradio] 4D32 & 4D22

Yahoo group: glowbugradio
Date: 2011-12-02 16:11:20 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1066

-----Original Message-----
From: David Newkirk <david.newkirk@...>

>I was thinking of the signal-handling capability as being two-paralleled-6146sish,

>not necessarily the cathode power. :-)
OK no problem.

>But you're getting the picture. Yes, I think the 4D32/22 were intended to be pulse
>modulators--in aviation/mil situations. (So was the 304TL and its similars, no?) For
>pulse service we'll need to handle big peak currents for the life of the tube. For
>aviation/mil service we'll need headroom over that, and for reliability we'd need
>headroom for our headroom. (For the record, in writing that posting just before
>dashing to today's NYC train ride I alluded to Collins engineering the 4D32; that
>would have been Raytheon engineering, of course.)

Yep. Note that the tube number comes from a specific time frame around WW2 when the number told a specific story.

First character, always a numeral, told filament/heater power for tubes. Not sure of the wattage ranges but they went from 0 to at least 6. For solid-state devices it told the number of junctions.
Second character, always a letter, told the electrode configuration. B for diode, C for triode, D for tetrode, E for pentode, J for magnetron, K for klystron, etc. N was used for solid-state junction devices.
Third and succeeding numbers were issued in order.

So a 4D22 had heater in the 4th range, was a tetrode, and the 22nd type assigned.

I understand that the system was soon abandoned for tubes. Ironically, it became the standard for solid-state devices. A 2N2222 is a two-junction device, 2222nd type issued.

>Hams have been accustomed to running power active devices at or beyond full capacity as long
>as hamdom has existed. That's fun for us, but bad engineering for--cliche alert--365/24/7 service,
>especially where lives and countries are at stake. I recall in a mid-1930s QST a Stray that leveraged
>that hammy tendency in parodying a National Recovery Administration slogan of the day: We Doom
>Our Parts. Then there's Larson E. Rapp's statement in his first-ever April piece "Putting Dynamic
>Prognostication to Work" that the plate current of his circuit's wackily applied 6L6 should "200 ma.
>for several seconds."

I remember those!

There was an article in the 1930s, before CCS/ICAS came about, about how ratings were determined. It hinted pretty clearly about the tug-o-war between hams and tubemakers.

Of course ham use tends to be, at most, a few hours a day, with long listening periods, and an operator right at the TX. Commercial service is usually just the opposite.

For all-out push-the-envelope operation, my vote goes to the 1932 QST article in which a ham ran 1000 watts DC intput to a pair of 852s. The article has to be read to be believed - and it's not the April issue. He even managed a kW into a SINGLE 852, but didn't like that configuration too much.

I forget the exact issue, but it's not hard to find. The shortcuts and lack of safety features scare the dickens out of me.

NYC train ride? From where to where, on whose rails? I'm near Philly...

73 de Jim, N2EY

1067. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-02 19:56:37 UTC
From: K3JPB@MSN.COM
Topic: 1005 Message: 1067

----- Original Message -----
From: N2EY@...<mailto:N2EY@...>
To: glowbugradio@yahoogroups.com<mailto:glowbugradio@yahoogroups.com>

--- In glowbugradio@yahoogroups.com<mailto:glowbugradio@yahoogroups.com>, "Carl" <km1h@...> wrote:

>> Its big brother, the 4D32, is one of my favorites; a pair will run 250W RF
>> out.

>My late uncle's 32V-3, which I used after upgrading to General in late 1969, used one. A way kewl tube that >specs out to be almost exactly like a pair of 6146s in parallel. And you can buy them NOS for $30 nowadays.

The 4D32 was also used in the Viking 1. There is a variant whose number I cannot recall that is electrically identical except for heater voltage/current.

The story I heard was that it was originally meant to be a radar pulse modulator. Of course the design was good for RF as well, and since it predated the 6146 found its way into various designs.
Only problem was that once the 6146 appeared the 4D32 became yesterday's news, even more so than the 807. Production of 6146 soared while production of 4D32 dropped. The only user was the military, for a particular radar system. By the 1970s or so 4D32 was rare and expensive and it only got worse in the 1980s and later. The value of rigs which used it dropped too, because who wanted a rig with a rare and expensive final? (I heard of Viking 1s being converted to use 6146s because the 4D32 was so expensive).

Then (so the story goes), a large supply of NOS 4D32 became surplus because the last examples of that radar were removed from service. The price of 4D32s fell and they became much easier to find.
Anybody confirm the story?
73 de Jim, N2EY

another of 4D32 uses ----------McIntosh made an amplifier using them. The UNIVAC 1 used the McIntosh in the BC corner of the computer as a clock distribution amp, as I recall.
That design was a little ahead of my time with Univac, But I did design the LARC clock system with 6ea 4CX250b"s in a distributed amp.

.
Bill K3jpb

1068. Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-05 14:31:57 UTC
From: davidpnewkirk
Topic: 1005 Message: 1068

--- In glowbugradio@yahoogroups.com, N2EY@... wrote:
> >BTW, look very closely at McCoy's circuit. Notice that its neutralization _cannot not work at 80
>
> >meters_ as shown?
>
> I think you meant "cannot work". And it can't! But 80 isn't nearly so fussy as higher bands.

Yes; I recast the sentence but didn't finish the necessary factoring in that spot. :-)

> Many MOPAs were able to avoid neutralization by not having the grid and plate tanks on the same frequency. They did this by using an oscillator stage which could provide more drive than needed, and detuning the tuned circuit between oscillator and amplifier to reduce drive to the rated amount. The Heath DX-20/HX-11 and the Johnson Adventurer both use this method, as does "65 Watts". On 80, with an 80 meter crystal and beam-power finals that don't need lots of drive, it works. (Note that many MOPAs double in the final on 10 meters).
> Another trick was resistive loading - which DX-20 and Adventurer did.

The snag with stagger tuning is that it's all too easy to pass through unstable settings as you adjust grid and plate--and then there's the matter of loading, which could make the difference between a final taking or or not.

The various schemes to avoid having to neutralize a stage that otherwise should have been neutralized fall into a class I call Ham Dodges. Operating a stage as a locked oscillator (unbeknownst or not) was one; so was grid loading; so was running one's final in push-push with f/2 drive; so was driving one's final with a cathode follower (a late-40s-to-early-1950s minivogue that was never mainstream and lasted until the promulgation of the bridge neutralization scheme popularly and wrongly attributed to Bruene; snag is that cathode followers have gain and can oscillate too), and so was/is the grounded-grid power amplifier. (Conveniently, a g-g power amp for the amateur limit also needs about 100 W drive, the de fact standard output we inherited largely as a result of Japanese amateur radio regulations.) To be fair, the main reason for neutralization-related Ham Dodges was that beam tubes both needed neutralization (whereas true pentodes like the 802, RK-25, 804, RK-20, 803 and so on kinda sorta did not) but their Cgp was so low that the neutralization techniques used with triodes were tricky to handle with beam tubes and played into these tubes' tendency to take off at VHF.

> One of the cap shafts doesn't look like it's at right angles to the panel, either. I'm also not a fan of the ungrounded grid tuning cap shaft sticking out of the panel.

My modified HT-40 has the final grid tuning cap rotor above ground--for ac only--with the help of a plastic plate and the insulation afforded by its knob--a Ham Dodge! It _is_ only a couple hundred ohms of Xc above ground, after all.

> Maybe I'll have to build one to see how really good/bad it is. W1ICP used 6BG6GAs, but mentioned that other tubes could be used.
> I have all the parts!

6L6s would give identical performance. So would the various "17.5 W" TV horizontal sweep tubes. I'm also a fan of the _vertical_ sweep tubes (6HB5/JB5/JC5, 6JA5, more) although of these only the JA5 matches the 6L6/6GB6 in plate dissipation (with about double the gm!) such that a pair could comfortable run 65 W in, Class C. (My rule of thumb is that the efficiency of a Class C final is 60% to the antenna jack--a conservative number, as one can often do better. It seems clear to me that roughly this factor was operating when FCC decided on 75 W input for Novices; surely they had "50 W out" in mind.)

> The thing I thought odd was the very long plate lead, because the tubes are above chassis but the plate and load caps below. This arrangement was also used in a 40 watt 6AG7-807 Novice rig about 1960, which looks a lot like "65 Watts", down to the cane-metal top.

Another locked-oscillator rig. For yet another McCoy locked oscillator, see my writeup on his Mighty Midget, down in my Boosted Pierce page (http://mysite.verizon.net/dpnewkirk/ej/boosted_pierce/).

Best regards,

Dave
amateur radio W9VES

1069. Re: [glowbugradio] Re: 6BG6G

Yahoo group: glowbugradio
Date: 2011-12-05 18:24:49 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1069

-----Original Message-----
From: davidpnewkirk <david.newkirk@gmail.com>

>The snag with stagger tuning is that it's all too easy to pass through unstable settings as you adjust grid and >plate--and then there's the matter of loading, which could make the difference between a final taking

>or or not.

Yep.

There's also the issue of not getting the full benefit of the selectivity of each inter-stage tuned circuit. This is of particular concern when using a heterodyne VFO.

>The various schemes to avoid having to neutralize a stage that otherwise should have been neutralized fall >into a class I call Ham Dodges. Operating a stage as a locked oscillator (unbeknownst or not) was one; so was >grid loading; so was running one's final in push-push with f/2 drive; so was driving one's final with a cathode >follower (a late-40s-to-early-1950s minivogue that was never mainstream and lasted until the promulgation >of the bridge neutralization scheme popularly and wrongly attributed to Bruene; snag is that cathode >followers have gain and can oscillate too), and so was/is the grounded-grid power amplifier.

And some GG amps need neutralization. A quad of 811As on 10 meters, for example.
>(Conveniently, a g-g power amp for the amateur limit also needs about 100 W drive, the de fact standard >output we inherited largely as a result of Japanese amateur radio regulations.)

??
I thought the "100 watt" thing came from the common use of a pair of 6146s in various ham rigs from the 1950s onward.

>To be fair, the main reason for neutralization-related Ham Dodges was that beam tubes both needed

>neutralization (whereas true pentodes like the 802, RK-25, 804, RK-20, 803 and so on kinda sorta did not) >but their Cgp was so low that the neutralization techniques used with triodes were tricky to handle with beam >tubes and played into these tubes' tendency to take off at VHF.

There's also the fact that coming up with a design where neutralization will hold on all bands without readjustment can be a bit of a trick.

And there's the LF parasitic problem...

>6L6s would give identical performance.

Maybe. The main thing is that 6BG6s and similar B&W sweep tubes are often cheaper and easier to find. Plus they're double-ended and glass.

>It seems clear to me that roughly this factor was operating when FCC decided on 75 W input for Novices; >surely they had "50 W out" in mind.)

A single 807 will do 75 W input ICAS in class C CW....

In any event, "65 Watts" has interesting possibilities.
How's this for a 50th anniversary version:
1) Power supply built on wood chassis (because it's cheaper and easier)
2) 6BG6s instead of GAs
3) Tube-base coil forms with hand-windings instead of unobtanium miniductor and plastic forms
4) Slightly different layout, bigger chassis, hardware-cloth top (because it's cheaper)
5) Improved neutralizing circuit that works on all bands.
6) Provision for external VFO

73 de Jim, N2EY

1070. ss crystal converter ..

Yahoo group: glowbugradio
Date: 2011-12-05 22:15:45 UTC
From: ell_magic
Topic: 1070 Message: 1070

Hi every one,,

Does any one here have the cct for the W1FB (cal was W1CER)
Solid State crystal converter.
As I'm unable to locate it on Google ... TIA ....
Astro .. SWL..

1071. Re: Tung Sol Tube Data

Yahoo group: glowbugradio
Date: 2011-12-06 02:49:27 UTC
From: Byron Tatum
Topic: 1071 Message: 1071

Hello-

Picked up some Tung Sol dual triodes, the TS272 and DT327. I am looking for any data on these. I checked the pin out and tested a TS-272 in my TV-7. Had to use 6.3 VAC on filaments. The tube tested close to one popular dual triode (used 12AX7 settings) by the TV-7 meter, it read slightly higher on meter than majority of 12AX7's I have checked.

Hoping someone has a tube data book showing these. Possibly these can be ued in place of other dual triodes that are getting kind of pricey!

Thanks, Byron WA5THJ

1072. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-07 04:01:38 UTC
From: John Ruccolo
Topic: 1005 Message: 1072

Hi Folks,

I've really enjoyed the discussion re: the 6BG6G tube. A good "watts per dollar" value in nowadays, and a tube that has largely been bypassed by the audio guys (thank goodness).

Here's a question for you: at the fall Kutztown, PA radio meet, I picked up a homebrew bandswitched 10-80 amplifier with a pair of 572B's. Construction is not first-rate, but somebody had fun building it, and for twenty bucks, I thought "what the heck." Assuming I can get this thing working (haven't tested it yet) what kind of power output should I expect? I know I could go consult an old ARRL HB (or the web, which I will do) for some info, but it's more fun asking you guys!

73,

John, KC2UAK

1073. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-07 05:46:00 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1073

On 6 Dec 2011 at 20:01, John Ruccolo wrote:

> Here's a question for you: at the fall Kutztown, PA radio meet, I
> picked up a homebrew bandswitched 10-80 amplifier with a pair of
> 572B's. Construction is not first-rate, but somebody had fun building
> it, and for twenty bucks, I thought "what the heck." Assuming I can
> get this thing working (haven't tested it yet) what kind of power
> output should I expect? I know I could go consult an old ARRL HB (or
> the web, which I will do) for some info, but it's more fun asking you
> guys!

It depends on how it is built, and how hefty the power supply is.

If everything is right, you should get at least 600 watts output on
all bands.

My Heathkit SB-200 gives me 750 watts output in 80 meters with new
tubes, 700 watts on 40 and 20, 650 on 15 and about 600 on 10.

For the pair of them, keep the grid current below 100 mA.

Idle plate-current should be around 90 mA, rising to not much over
500 mA at full power output.

Plate voltage can be as high as 2700 VDC, but most manufacturers keep
it around 2400 VDC. In my SB-200, plate voltage at no load sits at
2450 VDC, falling to 2100 VDC at full load.

What does this thing look like? Are the tubes mounted horizontally or
vertically? Does it have a fan or blower? If not, it should have.

I would like to see some photos.

Did you get a schematic with it? I would like to see that too.

Ken W7EKB

1074. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-07 14:00:14 UTC
From: Carl
Topic: 1005 Message: 1074

With Chinese tubes Id keep the HV at 2000V or less; they are also only rated at 125W Pd altho dealers state 165W as are the old Cetron ratings. At 200-250ma per tube calculate the output at 60% efficiency.

The old USA built brands can handle 2400-2500V for SSB/CW, you only have 230W Pd to play with and they should have a small fan blowing on the glass.

Due to internal structure they are not completely neutralized which can become critical on 10M as demonstrated in commercial 572B amps. Neutralization is simple.

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Tuesday, December 06, 2011 11:01 PM
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

Hi Folks,

I've really enjoyed the discussion re: the 6BG6G tube. A good "watts per dollar" value in nowadays, and a tube that has largely been bypassed by the audio guys (thank goodness).

Here's a question for you: at the fall Kutztown, PA radio meet, I picked up a homebrew bandswitched 10-80 amplifier with a pair of 572B's. Construction is not first-rate, but somebody had fun building it, and for twenty bucks, I thought "what the heck." Assuming I can get this thing working (haven't tested it yet) what kind of power output should I expect? I know I could go consult an old ARRL HB (or the web, which I will do) for some info, but it's more fun asking you guys!

73,

John, KC2UAK

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4060 - Release Date: 12/06/11

1075. Re: [glowbugradio] Re: 572Bs

Yahoo group: glowbugradio
Date: 2011-12-07 17:42:36 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1075

On 7 Dec 2011 at 9:00, Carl wrote:

> With Chinese tubes I'd keep the HV at 2000V or less;

Since I am running my SB-200 on 110VAC, most of my operating takes place at a maximum plate voltage of 2100 VDC under full load, falling to 1900 much of the time when the line voltage drops.

> they are also only
> rated at 125W Pd altho dealers state 165W as are the old Cetron
> ratings. At 200-250ma per tube calculate the output at 60% efficiency.

Thanks for reminding us of this, Carl. I really wish someone would build new versions of the old 572Bs. :-(

I had often thought of replacing the 572Bs with a pair of 813s...or one 304TL. :-)

> The old USA built brands can handle 2400-2500V for SSB/CW, you only
> have 230W Pd to play with and they should have a small fan blowing on
> the glass.

Yes.

> Due to internal structure they are not completely neutralized which
> can become critical on 10M as demonstrated in commercial 572B amps.

I don't have any good US built 572Bs: all I have are the Chinese-built ones.

My SB-200 is not properly neutralized on any band at this point. For one thing, my amp causes interference to some of our household electronic equipment...sometimes....other times not. Yet nothing has changed in the setup.

Furthermore, even on 20 meters, maximum power output does not occur at minimum plate current dip, and on 40 meters, I can easily find two peaks of power output at different settings of the LOADING cap.

On 17 and 15 meters, I have to be careful as at some settings of the tuning caps, it goes into oscillation.

Obviously, the darned thing can be made to oscillate at SOME frequency for all bands...

Although it is most stable on 80, even there it is a bit "weird". On the low end of 80, the loading cap must be almost fully meshed for maximum power output, especially as the tubes age.

> Neutralization is simple.

Yes. My sincere thanks to you for giving me that information.

I am rebuilding one SB-200 now, and will incorporate your procedure along with other upgrades. As soon as I have that one on-line, I'll do the same thing to the one I am presently using. Since I use it quite heavily, I can't take the time to work on it right now, but have to put up with its idiosyncrasies for the moment.

BTW, to the rest of you people here, Carl has possibly the most experience with 572B amps and the tubes as anyone in the U.S. He routinely modifies SB-200s for 6 meters commercially. Anything he tells you about both the tubes, and amps similar to the SB-200, can be absolutely relied on for complete accuracy.

Ken W7EKB

1076. Re: [glowbugradio] Re: 572Bs

Yahoo group: glowbugradio
Date: 2011-12-07 17:58:32 UTC
From: N2EY@aol.com
Topic: 1005 Message: 1076

-----Original Message-----
From: Kenneth G. Gordon <kgordon2006@frontier.com>

>I really wish someone would
>build new versions of the old 572Bs. :-(

Yes - and with a "disk seal" type base so the grid and filament leads aren't so dern long!
---
btw, there are a couple of homebrew GG 813 and 2x813 articles on the web. Might be a source of good ideas.

73 de Jim, N2EY

1077. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-07 18:46:26 UTC
From: John Ruccolo
Topic: 1005 Message: 1077

Hi Ken,

Thanks for the info. The seller told me he was selling the contents of an estate he had acquired. I looked for some documentation for this unit, but found none (seller had quite a bit of paper). This appeared to be a "shack cleanout."

The tubes are vertical and there is a blower. Power supply is solid-state. Construction quality is so-so, but I think someone must have had fun doing it, which is the name of the game. I'm guessing it's 60s or 70s vintage.

I should have asked initially -- would this amp be useful for AM, or should I just stick to SSB with it? I realize AM will stress the tubes and PS that much more....

I'll try to send some pictures when I get a chance. Another (cheap) purchse from the same vendor was an AM/CW rig with 6146 modulated by a pair of 6L6's. It's mounted in a gutted Hallicrafters S-58 cabinet, which has the same dimensions as the venerable S-40. Good for comic relief, if nothing else. Appears to be a single-bander -- should be fun to mess around with.

I always ask this question with every vintage homebrew that I acquire: Did this thing *ever* work right?

73,

John, KC2UAK

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 7, 2011 12:46 AM
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

On 6 Dec 2011 at 20:01, John Ruccolo wrote:

> Here's a question for you: at the fall Kutztown, PA radio meet, I
> picked up a homebrew bandswitched 10-80 amplifier with a pair of
> 572B's. Construction is not first-rate, but somebody had fun building
> it, and for twenty bucks, I thought "what the heck." Assuming I can
> get this thing working (haven't tested it yet) what kind of power
> output should I expect? I know I could go consult an old ARRL HB (or
> the web, which I will do) for some info, but it's more fun asking you
> guys!

It depends on how it is built, and how hefty the power supply is.

If everything is right, you should get at least 600 watts output on
all bands.

My Heathkit SB-200 gives me 750 watts output in 80 meters with new tubes, 700 watts on 40 and 20, 650 on 15 and about 600 on 10.

For the pair of them, keep the grid current below 100 mA.

Idle plate-current should be around 90 mA, rising to not much over 500 mA at full power output.

Plate voltage can be as high as 2700 VDC, but most manufacturers keep it around 2400 VDC. In my SB-200, plate voltage at no load sits at 2450 VDC, falling to 2100 VDC at full load.

What does this thing look like? Are the tubes mounted horizontally or vertically? Does it have a fan or blower? If not, it should have.

I would like to see some photos.

Did you get a schematic with it? I would like to see that too.

Ken W7EKB

1078. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-07 19:35:03 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1078

On 7 Dec 2011 at 10:46, John Ruccolo wrote:

> Hi Ken,
>
> Thanks for the info. The seller told me he was selling the contents of
> an estate he had acquired. I looked for some documentation for this
> unit, but found none (seller had quite a bit of paper). This appeared
> to be a "shack cleanout." The tubes are vertical and there is a
> blower. Power supply is solid-state. Construction quality is so-so,
> but I think someone must have had fun doing it, which is the name of
> the game.

Yup.

> I'm guessing it's 60s or 70s vintage. I should have asked
> initially -- would this amp be useful for AM, or should I just stick
> to SSB with it?

You can use any amp for AM, but you have to run it at about 1/3 of
its power output for SSB/CW. I think a pair of 572Bs would be good
for no more than 300 watts INPUT for AM. The big issue is plate
dissipation rating. For AM, since it is steady carrier, you can't
allow the PD to get above maximum rated.

For a pair of NEW Chinese-made 572Bs, that would be no more than 250
watts (125 watts/bottle).

Even at that level, the plates of the tubes will slowly get redder
and redder.

> I realize AM will stress the tubes and PS that much
> more....

Actually, that isn't quite true: it depends on the PD, as I said.

> I'll try to send some pictures when I get a chance.
> Another (cheap) purchse from the same vendor was an AM/CW rig with
> 6146 modulated by a pair of 6L6's. It's mounted in a gutted
> Hallicrafters S-58 cabinet, which has the same dimensions as the
> venerable S-40. Good for comic relief, if nothing else.

Hee hee! Sounds like fun.

> Appears to be
> a single-bander -- should be fun to mess around with. I always ask
> this question with every vintage homebrew that I acquire: Did this
> thing *ever* work right? 73, John, KC2UAK

Most of the time, the answer would be "No" :-)

vy 73, and good luck.

Ken W7EKB

1079. Re: [glowbugradio] Re: 572Bs and 813s

Yahoo group: glowbugradio
Date: 2011-12-07 19:50:58 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1079

On 7 Dec 2011 at 12:58, N2EY@... wrote:

> >I really wish someone would
> >build new versions of the old 572Bs. :-(
>
> Yes - and with a "disk seal" type base so the grid and filament leads
> aren't so dern long!

I wonder if a bunch of us wrote to the folks at Shuguang and KEPT
writing them, if they would take the hint and do something like this.
Or maybe there is another tube manufacturer who would do it.

> --- btw, there are a couple of homebrew GG 813
> and 2x813 articles on the web. Might be a source of good ideas.

Yes. I have several of those in my files. It has been my experience
that although the 813 is also rated at 125 watts PD, that can be
safely exceeded by quite a bit in normal use, at least intermittantly
(CW/SSB), without damaging the tube. The plates are noticeably
larger, have more surface area, than those in the 572B, and the
internal leads are certainly shorter.

The 813 is really a grand old tube.

Ken W7EKB

1080. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-07 21:39:44 UTC
From: Carl
Topic: 1005 Message: 1080

Only the carrier power is at roughly 33% efficiency. The audio sidebands add 4X the output power at 100% modulation and that also has to be factored in but the efficiency is more like 60%. A 300W carrier is 1200W PEP and the "legal" limit is 1500W PEP output. Some of us tend to exceed that a bit at times (-;

For low Pd tubes or a wimpy PS a carrier controlled AM TX works well; there are lots available and on the air.

A SB-200 (2x 572B) can safely run 150-175W carrier with full Class C AM input or a steady carrier SSB driver. Its those old buzzard snorefest transmissions that fry tubes and amps! A DX 35 or similar can push to about 200-250W but keep the transmissions somewhat short at least until you have experience watching the anode color. Red or dark orange is OK. Yellow leads to thermal runaway and white light before something blows.

AM is fun, there is more activity now than the 60's when it was on the fadeout, especially 75 and 160/40 are also active. Im on 20, 17 and 15 a lot and can almost always scare up QSO's even with 100-120W but the 250TH's sure get the attention (-; I even made a few 12M Q's this season.

This past summer on 10M was a blast, even the DX is getting into it.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: John Ruccolo ; glowbugradio@yahoogroups.com
Sent: Wednesday, December 07, 2011 2:35 PM
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

On 7 Dec 2011 at 10:46, John Ruccolo wrote:

> Hi Ken,
>
> Thanks for the info. The seller told me he was selling the contents of
> an estate he had acquired. I looked for some documentation for this
> unit, but found none (seller had quite a bit of paper). This appeared
> to be a "shack cleanout." The tubes are vertical and there is a
> blower. Power supply is solid-state. Construction quality is so-so,
> but I think someone must have had fun doing it, which is the name of
> the game.

Yup.

> I'm guessing it's 60s or 70s vintage. I should have asked
> initially -- would this amp be useful for AM, or should I just stick
> to SSB with it?

You can use any amp for AM, but you have to run it at about 1/3 of
its power output for SSB/CW. I think a pair of 572Bs would be good
for no more than 300 watts INPUT for AM. The big issue is plate
dissipation rating. For AM, since it is steady carrier, you can't
allow the PD to get above maximum rated.

For a pair of NEW Chinese-made 572Bs, that would be no more than 250
watts (125 watts/bottle).

Even at that level, the plates of the tubes will slowly get redder
and redder.

> I realize AM will stress the tubes and PS that much
> more....

Actually, that isn't quite true: it depends on the PD, as I said.

> I'll try to send some pictures when I get a chance.
> Another (cheap) purchse from the same vendor was an AM/CW rig with
> 6146 modulated by a pair of 6L6's. It's mounted in a gutted
> Hallicrafters S-58 cabinet, which has the same dimensions as the
> venerable S-40. Good for comic relief, if nothing else.

Hee hee! Sounds like fun.

> Appears to be
> a single-bander -- should be fun to mess around with. I always ask
> this question with every vintage homebrew that I acquire: Did this
> thing *ever* work right? 73, John, KC2UAK

Most of the time, the answer would be "No" :-)

vy 73, and good luck.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11

1081. Re: [glowbugradio] Re: 572Bs

Yahoo group: glowbugradio
Date: 2011-12-07 21:40:11 UTC
From: Don Sanders
Topic: 1005 Message: 1081

Carl, i also have an older SB200 with the original Cetron 572Bs. I have trouble on 15, 12 and 10 with oscillations and need info on neutralizing and a good parasitic suppressor for the plates. The amp works well on 80 thru 20 and most of the time on 17, with about 500 watts out with 50 watts drive running the amp from 115 vac. Can you help with info as to how to approach this problem.
Many thanks.

Dr Don HC4/W4BWS

On Wed, Dec 7, 2011 at 12:42 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

> **
>
>
> On 7 Dec 2011 at 9:00, Carl wrote:
>
> > Due to internal structure they are not completely neutralized which
> > can become critical on 10M as demonstrated in commercial 572B amps.
>
>
> > Neutralization is simple.
>
> Yes. My sincere thanks to you for giving me that information.
>
> I am rebuilding one SB-200 now, and will incorporate your procedure
> along with other upgrades. As soon as I have that one on-line, I'll
> do the same thing to the one I am presently using. Since I use it
> quite heavily, I can't take the time to work on it right now, but
> have to put up with its idiosyncrasies for the moment.
>
> BTW, to the rest of you people here, Carl has possibly the most
> experience with 572B amps and the tubes as anyone in the U.S. He
> routinely modifies SB-200s for 6 meters commercially. Anything he
> tells you about both the tubes, and amps similar to the SB-200, can
> be absolutely relied on for complete accuracy.
>
> Ken W7EKB
> MARKETPLACE
>
>
> [image: Yahoo! Groups]<http://groups.yahoo.com/;_ylc=X3oDMTJlaGczMjBsBF9TAzk3MzU5NzE0BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyMzI3OTc0OQ-->
> Switch to: Text-Only<glowbugradio-traditional@yahoogroups.com?subject=Change+Delivery+Format:+Traditional>,

> Daily Digest<glowbugradio-digest@yahoogroups.com?subject=Email+Delivery:+Digest>•
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1082. Re: [glowbugradio] Re: 572Bs and 813s

Yahoo group: glowbugradio
Date: 2011-12-07 21:51:14 UTC
From: Carl
Topic: 1005 Message: 1082

Richardson bought Cetron and is sitting on all the tooling. I was hoping
they would go belly up and someone got the equipment at pennies at auction.

My own testing has shown the graphite 813 anode to be good for 250W before
coloring. Many run them at 3000V + even on AM with no arcing. Ive hi-potted
mine to 10KV.

The 814 is a real sleeper and could be a 572B replacement. They are dirt
cheap, especially the VT-154 version which seems to escape notice by many,
especially audiophools and CBers.
Anybody have a trashed AL-811 or SB-200 to donate?

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: N2EY@... ; glowbugradio@yahoogroups.com
Sent: Wednesday, December 07, 2011 2:50 PM
Subject: Re: [glowbugradio] Re: 572Bs and 813s

On 7 Dec 2011 at 12:58, N2EY@... wrote:

> >I really wish someone would
> >build new versions of the old 572Bs. :-(
>
> Yes - and with a "disk seal" type base so the grid and filament leads
> aren't so dern long!

I wonder if a bunch of us wrote to the folks at Shuguang and KEPT
writing them, if they would take the hint and do something like this.
Or maybe there is another tube manufacturer who would do it.

> --- btw, there are a couple of homebrew GG 813
> and 2x813 articles on the web. Might be a source of good ideas.

Yes. I have several of those in my files. It has been my experience
that although the 813 is also rated at 125 watts PD, that can be
safely exceeded by quite a bit in normal use, at least intermittantly
(CW/SSB), without damaging the tube. The plates are noticeably
larger, have more surface area, than those in the 572B, and the
internal leads are certainly shorter.

The 813 is really a grand old tube.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11

1083. Re: More product detection for the two-triode product detector

Yahoo group: glowbugradio
Date: 2011-12-07 21:57:19 UTC
From: davidpnewkirk
Topic: 983 Message: 1083

--- In glowbugradio@yahoogroups.com, "davidpnewkirk" <david.newkirk@...> wrote:

> So I quickly rewired my two-triode synthetic-tetrode regenerative detector into that classic two-triode product detector--the one frm the 1950s and 1960s ARRL Handbooks--the one with the 820-ohm cathode resistor. I installed a 2N7000 between the 820-ohm resistor and ground, with a 100-ohm resistor from gate to ground as a load for the Crystalizer. (I decided to use a 100-ohm load instead of a 50-ohm loaded for the 1700-kHz source because I wanted to make sure that the BFO drive peaks would be high enough to fully turn on the 2N7000.)
>
> The one change I made in the original product-detector circuit was to ground the grid of its second (output) triode for AF and RF. In the circuit's heyday, the BFO drove that grid; but in this version I was going to use the 2N7000 to switch *both* of the circuit's triodes on and off at a 1700-kHz rate.

More: In attempting to use the circuit for 80-m direct-conversion detection (slightly rewiring the receiver's 6AC7 mixer as a grounded-grid amplifier), I discovered that it oscillated. That would explain the input-circuit sharp peaking I'd been experiencing at 1.7 MHz; the detector was regenerative!

So I removed the 2N7000 between the triodes' common cathode resistor and ground and once again fed the BFO to the grid of the second triode. Now I have less gain--arguably I had too much with the stage regenerating anyway--but it's more stable.

BTW, there's still a big thump if I swish the detector input tuning through resonance rapidly; I think that's because considerable BFO is arriving via the first-triode grid in addition to the desired path (the second triode grid).

Next experiment along this line is to replace the dual triode with--in the manner of Goodman's 14- to 30-MHz converter for his HB-65 receiver (ARRL Handbook, 1965 and 1966), which used a 6GK5 triode and a 6FV6 tetrode)--a 6AZ8 triode-pentode. (6AZ8 because I want to be able to ground the pentode's G3, and in that tube [and a few others, like the 6CH8) the pentode G3 is connected to heater pin 5].)

Some biasing work will be necessary; I'm now calculating the common cathode R for these tubes as 88.2 ohms, and additional (bypassed) cathode resistance in the triode cathode as 288 ohms. I'm hoping that the pentode, operating as a grounded-grid AF amplifier, will give me much more output than the second triode.

Anybody ever built Goodman's 6GK5-6FV6 converter?

Best regards,

Dave/W9VES

1084. Re: [glowbugradio] 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-07 22:01:23 UTC
From: Tom Norris
Topic: 1005 Message: 1084

Also take care on the position of some of the less expensive Chinese-made brands. I took out the power transformer of a 30L1 amp be skimping on the tubes I used, some are not so robust structurally, and do not like being positioned horizontally.

Tom NU4G

On 7 Dec 2011, at 8:00 AM, Carl wrote:

>
> With Chinese tubes Id keep the HV at 2000V or less; they are also only rated at 125W Pd altho dealers state 165W as are the old Cetron ratings. At 200-250ma per tube calculate the output at 60% efficiency.
>
> The old USA built brands can handle 2400-2500V for SSB/CW, you only have 230W Pd to play with and they should have a small fan blowing on the glass.
>
> Due to internal structure they are not completely neutralized which can become critical on 10M as demonstrated in commercial 572B amps. Neutralization is simple.
>
> Carl
> KM1H
>
>
>
> ----- Original Message -----
> From: John Ruccolo
> To: glowbugradio@yahoogroups.com
> Sent: Tuesday, December 06, 2011 11:01 PM
> Subject: Re: [glowbugradio] Re: 6BG6G and 572B?
>
>
>
>
> Hi Folks,
>
> I've really enjoyed the discussion re: the 6BG6G tube. A good "watts per dollar" value in nowadays, and a tube that has largely been bypassed by the audio guys (thank goodness).
>
> Here's a question for you: at the fall Kutztown, PA radio meet, I picked up a homebrew bandswitched 10-80 amplifier with a pair of 572B's. Construction is not first-rate, but somebody had fun building it, and for twenty bucks, I thought "what the heck." Assuming I can get this thing working (haven't tested it yet) what kind of power output should I expect? I know I could go consult an old ARRL HB (or the web, which I will do) for some info, but it's more fun asking you guys!
>
>

> 73,
>
> John, KC2UAK
>
> No virus found in this message.
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> Version: 10.0.1415 / Virus Database: 2102/4060 - Release Date: 12/06/11
>
>
>

1085. RE: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-07 22:19:34 UTC
From: D C *Mac* Macdonald
Topic: 1005 Message: 1085

The 300W input might be for AM linear service.

If I recall, using them in plate modulated Class C mode
(NOT GROUNDED GRID LINEAR) service, I think you can
generally figure at least 60% efficiency. For CW, that
would allow approximately 312.5 Watts input. Generally,
AM phone ratings for Class C plate-modulated amplifiers
is about 75 - 80 percent of CW ratings. That would be
input in the range from about 234 to 250 Watts PER TUBE
in ICAS service!

The above is predicated upon use of GENUINE 572B tubes
with a true maximum plate dissipation rating of 125
Watts. If you are using the supposedly lower rated
Chinese tubes, down rate the above figures by a factor
of plate dissipation rating of those tubes divided by 125.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* k2gkk@... *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: jr6v6gt@...; glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Wed, 7 Dec 2011 11:35:03 -0800
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

On 7 Dec 2011 at 10:46, John Ruccolo wrote:

> Hi Ken,
>
> Thanks for the info. The seller told me he was selling the contents of
> an estate he had acquired. I looked for some documentation for this
> unit, but found none (seller had quite a bit of paper). This appeared
> to be a "shack cleanout." The tubes are vertical and there is a
> blower. Power supply is solid-state. Construction quality is so-so,
> but I think someone must have had fun doing it, which is the name of
> the game.

Yup.

> I'm guessing it's 60s or 70s vintage. I should have asked
> initially -- would this amp be useful for AM, or should I just stick
> to SSB with it?

You can use any amp for AM, but you have to run it at about 1/3 of its power output for SSB/CW. I think a pair of 572Bs would be good for no more than 300 watts INPUT for AM. The big issue is plate dissipation rating. For AM, since it is steady carrier, you can't allow the PD to get above maximum rated.

For a pair of NEW Chinese-made 572Bs, that would be no more than 250 watts (125 watts/bottle).

Even at that level, the plates of the tubes will slowly get redder and redder.

> I realize AM will stress the tubes and PS that much
> more....

Actually, that isn't quite true: it depends on the PD, as I said.

> I'll try to send some pictures when I get a chance.
> Another (cheap) purchse from the same vendor was an AM/CW rig with
> 6146 modulated by a pair of 6L6's. It's mounted in a gutted
> Hallicrafters S-58 cabinet, which has the same dimensions as the
> venerable S-40. Good for comic relief, if nothing else.

Hee hee! Sounds like fun.

> Appears to be
> a single-bander -- should be fun to mess around with. I always ask
> this question with every vintage homebrew that I acquire: Did this
> thing *ever* work right? 73, John, KC2UAK

Most of the time, the answer would be "No" :-)

vy 73, and good luck.

Ken W7EKB

1086. Re: [glowbugradio] Re: 572Bs GG amps and neutralization.

Yahoo group: glowbugradio
Date: 2011-12-07 22:34:05 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1086

On 7 Dec 2011 at 16:40, Don Sanders wrote:

> Carl, i also have an older SB200 with the original Cetron 572Bs. I
> have trouble on 15, 12 and 10 with oscillations and need info on
> neutralizing and a good parasitic suppressor for the plates. The amp
> works well on 80 thru 20 and most of the time on 17, with about 500
> watts out with 50 watts drive running the amp from 115 vac. Can you
> help with info as to how to approach this problem. Many thanks.

The procedure Carl sent me in a private series of e-mails is very clear and quite easy to do.

I DID find a discussion of this procedure on the net at W8JJ's site under his section on amplifiers. However, his discussion is not as clear or as easily understandable as Carl's, although it does have some additional information I found valuable.

Ken W7EKB

1087. Re: [glowbugradio] Re: Controlled Carrier AM.

Yahoo group: glowbugradio
Date: 2011-12-07 22:45:57 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1087

On 7 Dec 2011 at 16:39, Carl wrote:

> Only the carrier power is at roughly 33% efficiency. The audio
> sidebands add 4X the output power at 100% modulation and that also has
> to be factored in but the efficiency is more like 60%. A 300W carrier
> is 1200W PEP and the "legal" limit is 1500W PEP output. Some of us
> tend to exceed that a bit at times (-;
>
> For low Pd tubes or a wimpy PS a carrier controlled AM TX works well;

I REALLY LIKE controlled-carrier AM. There were several of the
smaller rigs of the 1960s that used it, not only Heathkit.
Hallicrafters, Johnson, Eico, Globe,Gonset and Drake all used it in
one form or another.

ER magazine had a really excellent article on it in issue #204, May
2006, page 13 which really went into it in depth, and showed how to
set it up properly. I found the article to be very interesting.

> there are lots available and on the air.
>
> A DX 35 or similar
> can push the SB-200 to about 200-250W but keep the transmissions somewhat short
> at least until you have experience watching the anode color. Red or
> dark orange is OK. Yellow leads to thermal runaway and white light
> before something blows.

Ah! Another tidbit of valuable information from "one who knows". ;-)

My SB-200 easily gets to red plates (both of them) on a long
transmission on CW at 14 WPM. Pain in the ass.

When I cut the power down to about 300 watts output instead of 600,
the red is barely perceptible, but still there.

Ken W7EKB

1088. Re: [glowbugradio] Re: 572Bs

Yahoo group: glowbugradio
Date: 2011-12-08 01:11:31 UTC
From: Carl
Topic: 1005 Message: 1088

Don, the easiest way to neutralize is to add a 3rd winding to the filament choke, drill a hole in the rear chassis between the 2 tubes as close to dead center on 4 axis as you can make it. Install a small feedthru insulator of any material; Ive even cut down a ball point pen barrel. There is no voltage involved.

Wind about 6-8T of any size wire at the cold end and in reverse phase (direction of winding). The cold end goes to a ground lug and the other goes to the feedthru. I use #14 bare, tinned or enamel wire from the feedthru to about 5" into the tube area enamel wire since it is self supporting horizontally. The wire going from the choke to feedthru can be any insulated solid #18 or 20.

I use a spectrum analyzer but a receiver or a scope that has decent response at 10M works also as all you care about is a relative difference.
The adjustments will be done with a cold amp. Feed a low level signal generator 10M signal into the input coax connector and jumper or wedge the relay into TX. You can use a TX signal but you will need to attenuate it to 1W or less to avoid damaging the detector being used.

In stock condition a SB-200 has about 20dB attenuation, 30-40dB is attainable with this simple method.
First move the coil of wire back and forth and vary spacing while looking for minimum feedthru. Then trim 1/2" at a time off the wire between the tubes. Moving the wire slightly sometimes helps. Recheck the coil adjustment. When finished tape the coil down so it doesnt move.

Ive done about 99% of these procedures on the amps I convert to 6M monobanders and the adjustment seems to hold fine under power. On 10M it will be even less critical. I dont advise trying it with 2400V present!

As far as the suppressors are concerned:
Since 47 Ohm 2W carbon resistors are not in normal production and NOS will likely be way out of tolerance an alternative is necessary. I developed a version in the late 80's if I remember and described it in the mid 90's on the original Amps reflector. Its been copied by a large amp manufacturer where their part time engineer has claimed it as his own.

Get a pair of 50 Ohm 5W MOX resistors, these are about twice the size of a 2W carbon. Also get 4 100pf 500V silver mica caps; all from Mouser.

Reuse the original coils.

Place a coil and resistor in parallel on the bench but not touching or connected. Then connect a cap between both ends leaving about 1/8" seperation between coil and resistor. The RF goes thru the coil leads of course. Self supporting construction is fine or you can pretty it up.

Ken can comment if I missed something...Im going by memory on the neutralizing coil turns.

In fact Ken, send me what I sent you and I'll edit this and that as necessary and post in the Files section.

Carl
KM1H

----- Original Message -----
From: Don Sanders
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 07, 2011 4:40 PM
Subject: Re: [glowbugradio] Re: 572Bs

Carl, i also have an older SB200 with the original Cetron 572Bs. I have trouble on 15, 12 and 10 with oscillations and need info on neutralizing and a good parasitic suppressor for the plates. The amp works well on 80 thru 20 and most of the time on 17, with about 500 watts out with 50 watts drive running the amp from 115 vac. Can you help with info as to how to approach this problem.
Many thanks.

Dr Don HC4/W4BWS

On Wed, Dec 7, 2011 at 12:42 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

On 7 Dec 2011 at 9:00, Carl wrote:

> Due to internal structure they are not completely neutralized which
> can become critical on 10M as demonstrated in commercial 572B amps.

> Neutralization is simple.

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I am rebuilding one SB-200 now, and will incorporate your procedure along with other upgrades. As soon as I have that one on-line, I'll do the same thing to the one I am presently using. Since I use it quite heavily, I can't take the time to work on it right now, but have to put up with its idiosyncrasies for the moment.

BTW, to the rest of you people here, Carl has possibly the most experience with 572B amps and the tubes as anyone in the U.S. He routinely modifies SB-200s for 6 meters commercially. Anything he tells you about both the tubes, and amps similar to the SB-200, can be absolutely relied on for complete accuracy.

Ken W7EKB

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Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11

1089. Re: [glowbugradio] 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-08 01:22:04 UTC
From: Carl
Topic: 1005 Message: 1089

There is only one Chinese 572 factory now and the filament alignment issue has been long settled.

Dont know about 811A's sources but Ameritron is having severe problems with them. The poor amp design doesnt help.

Carl
KM1H

----- Original Message -----
From: "Tom Norris" <fernblatt@...>
To: <glowbugradio@yahoogroups.com>
Sent: Wednesday, December 07, 2011 5:01 PM
Subject: Re: [glowbugradio] 6BG6G and 572B?

> Also take care on the position of some of the less expensive Chinese-made
> brands. I took out the power transformer of a 30L1 amp be skimping on the
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>> At 200-250ma per tube calculate the output at 60% efficiency.
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>> The old USA built brands can handle 2400-2500V for SSB/CW, you only have
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>> glass.
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>> Due to internal structure they are not completely neutralized which can
>> become critical on 10M as demonstrated in commercial 572B amps.
>> Neutralization is simple.
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>> Carl
>> KM1H
>>
>>
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>> ----- Original Message -----
>> From: John Ruccolo
>> To: glowbugradio@yahoogroups.com

>> Sent: Tuesday, December 06, 2011 11:01 PM
>> Subject: Re: [glowbugradio] Re: 6BG6G and 572B?
>>
>>
>>
>>
>> Hi Folks,
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>> I've really enjoyed the discussion re: the 6BG6G tube. A good "watts per
>> dollar" value in nowadays, and a tube that has largely been bypassed by
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>> Here's a question for you: at the fall Kutztown, PA radio meet, I picked
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>> working (haven't tested it yet) what kind of power output should I
>> expect? I know I could go consult an old ARRL HB (or the web, which I
>> will do) for some info, but it's more fun asking you guys!
>>
>>
>> 73,
>>
>> John, KC2UAK
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com
>> Version: 10.0.1415 / Virus Database: 2102/4060 - Release Date: 12/06/11
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> Yahoo! Groups Links
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> No virus found in this message.
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> Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11
>

1090. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-08 01:29:20 UTC
From: Carl
Topic: 1005 Message: 1090

Chinese 572B's have a 125W Pd, USA ones are 160W.

Typical Class C grid driven is 70-75% efficiency at the output connector IF all parameters are met. AM generally wants more bias and drive than CW if you want 100% + positive modulation.

Carl
KM1H

----- Original Message -----
From: D C *Mac* Macdonald
To: Glowbug Radio
Sent: Wednesday, December 07, 2011 5:19 PM
Subject: RE: [glowbugradio] Re: 6BG6G and 572B?

The 300W input might be for AM linear service.

If I recall, using them in plate modulated Class C mode (NOT GROUNDED GRID LINEAR) service, I think you can generally figure at least 60% efficiency. For CW, that would allow approximately 312.5 Watts input. Generally, AM phone ratings for Class C plate-modulated amplifiers is about 75 - 80 percent of CW ratings. That would be input in the range from about 234 to 250 Watts PER TUBE in ICAS service!

The above is predicated upon use of GENUINE 572B tubes with a true maximum plate dissipation rating of 125 Watts. If you are using the supposedly lower rated Chinese tubes, down rate the above figures by a factor of plate dissipation rating of those tubes divided by 125.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* k2gkk@... *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: jr6v6gt@...; glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Wed, 7 Dec 2011 11:35:03 -0800
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

On 7 Dec 2011 at 10:46, John Ruccolo wrote:

> Hi Ken,
>
> Thanks for the info. The seller told me he was selling the contents of
> an estate he had acquired. I looked for some documentation for this
> unit, but found none (seller had quite a bit of paper). This appeared
> to be a "shack cleanout." The tubes are vertical and there is a
> blower. Power supply is solid-state. Construction quality is so-so,
> but I think someone must have had fun doing it, which is the name of
> the game.

Yup.

> I'm guessing it's 60s or 70s vintage. I should have asked
> initially -- would this amp be useful for AM, or should I just stick
> to SSB with it?

You can use any amp for AM, but you have to run it at about 1/3 of
its power output for SSB/CW. I think a pair of 572Bs would be good
for no more than 300 watts INPUT for AM. The big issue is plate
dissipation rating. For AM, since it is steady carrier, you can't
allow the PD to get above maximum rated.

For a pair of NEW Chinese-made 572Bs, that would be no more than 250
watts (125 watts/bottle).

Even at that level, the plates of the tubes will slowly get redder
and redder.

> I realize AM will stress the tubes and PS that much
> more....

Actually, that isn't quite true: it depends on the PD, as I said.

> I'll try to send some pictures when I get a chance.
> Another (cheap) purchse from the same vendor was an AM/CW rig with
> 6146 modulated by a pair of 6L6's. It's mounted in a gutted
> Hallicrafters S-58 cabinet, which has the same dimensions as the
> venerable S-40. Good for comic relief, if nothing else.

Hee hee! Sounds like fun.

> Appears to be
> a single-bander -- should be fun to mess around with. I always ask
> this question with every vintage homebrew that I acquire: Did this
> thing *ever* work right? 73, John, KC2UAK

Most of the time, the answer would be "No" :-)

vy 73, and good luck.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11

1091. RE: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-08 01:39:03 UTC
From: D C *Mac* Macdonald
Topic: 1005 Message: 1091

Sorry about confusing the Plate Dissipation Ratings.
I know that the "typical" efficiency was figured at
around 70% but I was allowing for conservative rating
of allowable input. I think my 60% might be closer to
what a non-engineer ham might achieve on a home brew amp.

Anyway, if you wanted to build a proper modulator and
do a bunch of other mods to a Heath SB-200 to put it into
Class C service, I guess even the Chinese 572Bs could
handle 500W input to a pair, no?

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~~ ~ D C "Mac" Macdonald ~ ~~
~ ~ Amateur Radio - K2GKK ~ ~
~ ~ USAF and FAA, Retired ~ ~
~ ~ ~ Oklahoma City, OK ~ ~ ~
~~ ~ ~ "The Money Pit" ~ ~ ~~
~ ~ ~ ex-Palm Beach, 76 ~ ~ ~
~ www.gmcmhphotos.com/okclb ~
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Wed, 7 Dec 2011 20:29:20 -0500
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

Chinese 572B's have a 125W Pd, USA ones are 160W.

Typical Class C grid driven is 70-75% efficiency at the output connector IF
all parameters are met. AM generally wants more bias and drive than CW if
you want 100% + positive modulation.

Carl
KM1H

----- Original Message -----
From: D C *Mac* Macdonald
To: Glowbug Radio
Sent: Wednesday, December 07, 2011 5:19 PM
Subject: RE: [glowbugradio] Re: 6BG6G and 572B?

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generally figure at least 60% efficiency. For CW, that
would allow approximately 312.5 Watts input. Generally,

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The above is predicated upon use of GENUINE 572B tubes
with a true maximum plate dissipation rating of 125
Watts. If you are using the supposedly lower rated
Chinese tubes, down rate the above figures by a factor
of plate dissipation rating of those tubes divided by 125.

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* 73 - Mac, K2GKK/5 *
* k2gkk@... *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
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To: jr6v6gt@...; glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Wed, 7 Dec 2011 11:35:03 -0800
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

On 7 Dec 2011 at 10:46, John Ruccolo wrote:

> Hi Ken,
>
> Thanks for the info. The seller told me he was selling the contents of
> an estate he had acquired. I looked for some documentation for this
> unit, but found none (seller had quite a bit of paper). This appeared
> to be a "shack cleanout." The tubes are vertical and there is a
> blower. Power supply is solid-state. Construction quality is so-so,
> but I think someone must have had fun doing it, which is the name of
> the game.

Yup.

> I'm guessing it's 60s or 70s vintage. I should have asked
> initially -- would this amp be useful for AM, or should I just stick
> to SSB with it?

You can use any amp for AM, but you have to run it at about 1/3 of
its power output for SSB/CW. I think a pair of 572Bs would be good
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dissipation rating. For AM, since it is steady carrier, you can't
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and redder.

> I realize AM will stress the tubes and PS that much
> more....

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> I'll try to send some pictures when I get a chance.
> Another (cheap) purchse from the same vendor was an AM/CW rig with
> 6146 modulated by a pair of 6L6's. It's mounted in a gutted
> Hallicrafters S-58 cabinet, which has the same dimensions as the
> venerable S-40. Good for comic relief, if nothing else.

Hee hee! Sounds like fun.

> Appears to be
> a single-bander -- should be fun to mess around with. I always ask
> this question with every vintage homebrew that I acquire: Did this
> thing *ever* work right? 73, John, KC2UAK

Most of the time, the answer would be "No" :-)

vy 73, and good luck.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11

1092. Re: [glowbugradio] Re: Controlled Carrier AM.

Yahoo group: glowbugradio
Date: 2011-12-08 01:41:22 UTC
From: Carl
Topic: 1005 Message: 1092

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 07, 2011 5:45 PM
Subject: Re: [glowbugradio] Re: Controlled Carrier AM.

On 7 Dec 2011 at 16:39, Carl wrote:

> Only the carrier power is at roughly 33% efficiency. The audio
> sidebands add 4X the output power at 100% modulation and that also has
> to be factored in but the efficiency is more like 60%. A 300W carrier
> is 1200W PEP and the "legal" limit is 1500W PEP output. Some of us
> tend to exceed that a bit at times (-;
>
> For low Pd tubes or a wimpy PS a carrier controlled AM TX works well;

I REALLY LIKE controlled-carrier AM. There were several of the
smaller rigs of the 1960s that used it, not only Heathkit.
Hallicrafters, Johnson, Eico, Globe,Gonset and Drake all used it in
one form or another.

** Plus Knight and a few lesser names.
I have a DX-35, DX-40, DX-60, Seneca, Adventurer with the optional
modulator, Globe 90A with its plug in version, Knight T-150A, at last count.

** For SSB gear the HT-32 family really sound good as does the HT-37. Im
spoiled with the CE 100V which has received a few audio mods since I bought
it back.

ER magazine had a really excellent article on it in issue #204, May
2006, page 13 which really went into it in depth, and showed how to
set it up properly. I found the article to be very interesting.

** ER is a real PITA trying to search for articles.

> there are lots available and on the air.
>
> A DX 35 or similar
> can push the SB-200 to about 200-250W but keep the transmissions somewhat
> short
> at least until you have experience watching the anode color. Red or
> dark orange is OK. Yellow leads to thermal runaway and white light
> before something blows.

Ah! Another tidbit of valuable information from "one who knows". ;-)

** Some things I have to learn the hard way

My SB-200 easily gets to red plates (both of them) on a long
transmission on CW at 14 WPM. Pain in the ass.

** Id fall asleep at that speed

When I cut the power down to about 300 watts output instead of 600,
the red is barely perceptible, but still there.

** You likely need more bias. Didnt I mention messing around with that
resistor across the relay?

Carl

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11

1093. Re: [glowbugradio] Re: 572Bs

Yahoo group: glowbugradio
Date: 2011-12-08 01:40:09 UTC
From: Robert Nickels
Topic: 1005 Message: 1093

On 12/7/2011 7:11 PM, Carl wrote:
>
> Don, the easiest way to neutralize is to add a 3rd winding to the
> filament choke
>
Carl,

Thanks for sharing a couple of very clever tips!

73, Bob W9RAN
>
>

1094. Re: Controlled Carrier AM.

Yahoo group: glowbugradio
Date: 2011-12-08 01:49:48 UTC
From: Theosleaper
Topic: 1005 Message: 1094

Also used in the Ameco TX-86.
Rick, K1WYH

1095. Re: [glowbugradio] Re: Controlled Carrier AM.

Yahoo group: glowbugradio
Date: 2011-12-08 01:51:20 UTC
From: Robert Nickels
Topic: 1005 Message: 1095

On 12/7/2011 4:45 PM, Kenneth G. Gordon wrote:
> I REALLY LIKE controlled-carrier AM
Well Ken,

You should like this too: The FCC has started allowing AM broadcasters to use something like it. Of course they call it something different (MDCL) and make it using software, which helps generate employment for software engineers ;-) - but it sounds like controlled carrier AM to me:

http://www.engineeringradio.us/blog/2011/10/implementing-mcdl-modulation-dependent-carrier-level/

But in another article:
http://www.engineeringradio.us/blog/2011/09/modulation-dependent-carrier-level/
The FCC is quoted as saying:

"The reduction in AM signal power at certain modulation levels inevitably exacts some penalty upon audio quality. Depending on the content of the audio program, MDCL algorithms may introduce some audio distortion or may decrease the signal-to-noise ratio in the receiver."

Really? I've heard quite a few controlled-carrier AM signals run through linear amplifiers and haven't noticed any distortion - in fact most sound excellent. Maybe the FCC ought to look into replacing those algorithms with a 6DE7....

73, Bob W9RAN

1096. Re: [glowbugradio] Re: 572Bs

Yahoo group: glowbugradio
Date: 2011-12-08 02:28:51 UTC
From: Carl
Topic: 1005 Message: 1096

I forgot to mention that the capacitors in the suppressor are there to
cancel the XL of the resistor.

With 4 of them in a Clipperton L and a few other changes I was able to get
1200W out 160-10 with no color or instability.

Carl
KM1H

----- Original Message -----
From: "Robert Nickels" <w9ran@...>
To: <glowbugradio@yahoogroups.com>
Cc: "Carl" <km1h@...>
Sent: Wednesday, December 07, 2011 8:40 PM
Subject: Re: [glowbugradio] Re: 572Bs

> On 12/7/2011 7:11 PM, Carl wrote:
>>
>> Don, the easiest way to neutralize is to add a 3rd winding to the
>> filament choke
>>
> Carl,
>
> Thanks for sharing a couple of very clever tips!
>
> 73, Bob W9RAN
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1415 / Virus Database: 2102/4066 - Release Date: 12/07/11
>

1097. Re: [glowbugradio] Re: Controlled Carrier AM.

Yahoo group: glowbugradio
Date: 2011-12-08 02:36:06 UTC
From: Carl
Topic: 1005 Message: 1097

I believe that several SW broadcasters use a partial amount of controlled carrier. At 100-500KW the yearly electric bill savings add up.

Carl
KM1H

----- Original Message -----
From: Robert Nickels
To: glowbugradio@yahoogroups.com
Cc: Kenneth G. Gordon
Sent: Wednesday, December 07, 2011 8:51 PM
Subject: Re: [glowbugradio] Re: Controlled Carrier AM.

On 12/7/2011 4:45 PM, Kenneth G. Gordon wrote:
> I REALLY LIKE controlled-carrier AM
Well Ken,

You should like this too: The FCC has started allowing AM broadcasters to use something like it. Of course they call it something different (MDCL) and make it using software, which helps generate employment for software engineers ;-) - but it sounds like controlled carrier AM to me:

http://www.engineeringradio.us/blog/2011/10/implementing-mcdl-modulation-dependent-carrier-level/

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Really? I've heard quite a few controlled-carrier AM signals run through linear amplifiers and haven't noticed any distortion - in fact most sound excellent. Maybe the FCC ought to look into replacing those algorithms with a 6DE7....

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4066 - Release Date: 12/07/11

1098. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-08 02:57:40 UTC
From: Carl
Topic: 1005 Message: 1098

If you want to play "legal" thats a 375W carrier with 100% of DSBAM.
Get it any way you want but at a certain greyline power level a linear final makes more sense.

However a 1500W carrier equals the 6dB advantage of slopbucket...right. Run a clean signal and you will take up less bandwidth than the typical SSB station operated by the clueless.

But it takes 125W each just to light up the 304TL modulators but the huge reserve emission makes for sweet audio. Those tubes are loafing with the 250TH's but will easily handle the 6C21 upgrade (-;

Several months ago I had a LK-800A in here for an upgrade to three 3CPX800A7's and a 3000V PS. I wont say what it took to just start to show distortion but it was mighty damn impressive and all it required was 30-35W of drive which was loafing for the TS-950SD which was running thru a wide AM filter.

Carl
KM1H

----- Original Message -----
From: D C *Mac* Macdonald
To: Glowbug Radio
Sent: Wednesday, December 07, 2011 8:39 PM
Subject: RE: [glowbugradio] Re: 6BG6G and 572B?

Sorry about confusing the Plate Dissipation Ratings.
I know that the "typical" efficiency was figured at
around 70% but I was allowing for conservative rating
of allowable input. I think my 60% might be closer to
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~ www.gmcmhphotos.com/okclb ~
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To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Wed, 7 Dec 2011 20:29:20 -0500
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

Chinese 572B's have a 125W Pd, USA ones are 160W.

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KM1H

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To: jr6v6gt@...; glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Wed, 7 Dec 2011 11:35:03 -0800
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

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> blower. Power supply is solid-state. Construction quality is so-so,
> but I think someone must have had fun doing it, which is the name of
> the game.

Yup.

> I'm guessing it's 60s or 70s vintage. I should have asked
> initially -- would this amp be useful for AM, or should I just stick
> to SSB with it?

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Hee hee! Sounds like fun.

> Appears to be
> a single-bander -- should be fun to mess around with. I always ask
> this question with every vintage homebrew that I acquire: Did this
> thing *ever* work right? 73, John, KC2UAK

Most of the time, the answer would be "No" :-)

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Ken W7EKB

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Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4066 - Release Date: 12/07/11

1099. Re: [glowbugradio] Re: 572Bs

Yahoo group: glowbugradio
Date: 2011-12-08 04:04:29 UTC
From: Don Sanders
Topic: 1005 Message: 1099

Yes, thanks Ken and Carl for sharing the tips. Please post the info in the files for
others to use to tame their amps.
Now to order the parts from Mouser. Too bad it takes 6 to 8 weeks to receive
priority mail here.
Dr Don HC4/W4BWS

On Wed, Dec 7, 2011 at 8:40 PM, Robert Nickels <w9ran@...> wrote:

> On 12/7/2011 7:11 PM, Carl wrote:
> >
> > Don, the easiest way to neutralize is to add a 3rd winding to the
> > filament choke
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> Carl,
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> Thanks for sharing a couple of very clever tips!
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> 73, Bob W9RAN
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> Yahoo! Groups Links
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1100. Re: [glowbugradio] Re: 572Bs

Yahoo group: glowbugradio
Date: 2011-12-08 16:52:56 UTC
From: Kenneth G. Gordon
Topic: 1005 Message: 1100

On 7 Dec 2011 at 20:11, Carl wrote:

> Ken can comment if I missed something...Im going by memory on the
> neutralizing coil turns.

You haven't missed anything at all, as far as I can see.

>
> In fact Ken, send me what I sent you and I'll edit this and that as
> necessary and post in the Files section.

Will do asap.

Ken

1101. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-08 18:42:21 UTC
From: John Ruccolo
Topic: 1005 Message: 1101

Carl,

My thanks also for the info. You are THE MAN regarding RF amps. Someday this HB amp will make it to my bench....

Does anyone (besides me) actually seek out and collect vintage homebrew ham equipment? Some of it is amazingly well done, others are pretty good (at least fixable and useable), and some are mainly good for comic relief.

73,

John KC2UAK

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 7, 2011 9:57 PM
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

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Get it any way you want but at a certain greyline power level a linear final makes more sense.

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Carl
KM1H

----- Original Message -----
>From: D C *Mac* Macdonald
>To: Glowbug Radio
>Sent: Wednesday, December 07, 2011 8:39 PM
>Subject: RE: [glowbugradio] Re: 6BG6G and 572B?
>
>
>Sorry about confusing the Plate Dissipation Ratings.
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>~ ~ Amateur Radio - K2GKK ~ ~
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>~ ~ ~ Oklahoma City, OK ~ ~ ~
>~~ ~ ~ "The Money Pit" ~ ~ ~~
>~ ~ ~ ex-Palm Beach, 76 ~ ~ ~
>~ www.gmcmhphotos.com/okclb ~
>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
>
>
> To: glowbugradio@yahoogroups.com
>From: km1h@...
>Date: Wed, 7 Dec 2011 20:29:20 -0500
>Subject: Re: [glowbugradio] Re: 6BG6G and 572B?
>
>
>
>Chinese 572B's have a 125W Pd, USA ones are 160W.
>
>Typical Class C grid driven is 70-75% efficiency at the output connector IF
>all parameters are met. AM generally wants more bias and drive than CW if
>you want 100% + positive modulation.
>
>Carl
>KM1H
>
>----- Original Message -----
>From: D C *Mac* Macdonald
>To: Glowbug Radio
>Sent: Wednesday, December 07, 2011 5:19 PM
>Subject: RE: [glowbugradio] Re: 6BG6G and 572B?
>
>The 300W input might be for AM linear service.
>
>If I recall, using them in plate modulated Class C mode
>(NOT GROUNDED GRID LINEAR) service, I think you can
>generally figure at least 60% efficiency. For CW, that
>would allow approximately 312.5 Watts input. Generally,
>AM phone ratings for Class C plate-modulated amplifiers
>is about 75 - 80 percent of CW ratings. That would be
>input in the range from about 234 to 250 Watts PER TUBE
>in ICAS service!

>
>The above is predicated upon use of GENUINE 572B tubes
>with a true maximum plate dissipation rating of 125
>Watts. If you are using the supposedly lower rated
>Chinese tubes, down rate the above figures by a factor
>of plate dissipation rating of those tubes divided by 125.
>
>* * * * * * * * * * *
>* 73 - Mac, K2GKK/5 *
>* k2gkk@... *
>* (Since 30 Nov 53) *
>* Oklahoma City, OK *
>* USAF, Ret (61-81) *
>* * * * * * * * * * *
>
>To: jr6v6gt@...; glowbugradio@yahoogroups.com
>From: kgordon2006@...
>Date: Wed, 7 Dec 2011 11:35:03 -0800
>Subject: Re: [glowbugradio] Re: 6BG6G and 572B?
>
>On 7 Dec 2011 at 10:46, John Ruccolo wrote:
>
>> Hi Ken,
>>
>> Thanks for the info. The seller told me he was selling the contents of
>> an estate he had acquired. I looked for some documentation for this
>> unit, but found none (seller had quite a bit of paper). This appeared
>> to be a "shack cleanout." The tubes are vertical and there is a
>> blower. Power supply is solid-state. Construction quality is so-so,
>> but I think someone must have had fun doing it, which is the name of
>> the game.
>
>Yup.
>
>> I'm guessing it's 60s or 70s vintage. I should have asked
>> initially -- would this amp be useful for AM, or should I just stick
>> to SSB with it?
>
>You can use any amp for AM, but you have to run it at about 1/3 of
>its power output for SSB/CW. I think a pair of 572Bs would be good
>for no more than 300 watts INPUT for AM. The big issue is plate
>dissipation rating. For AM, since it is steady carrier, you can't
>allow the PD to get above maximum rated.
>
>For a pair of NEW Chinese-made 572Bs, that would be no more than 250
>watts (125 watts/bottle).
>
>Even at that level, the plates of the tubes will slowly get redder
>and redder.
>

>> I realize AM will stress the tubes and PS that much
>> more....
>
>Actually, that isn't quite true: it depends on the PD, as I said.
>
>> I'll try to send some pictures when I get a chance.
>> Another (cheap) purchse from the same vendor was an AM/CW rig with
>> 6146 modulated by a pair of 6L6's. It's mounted in a gutted
>> Hallicrafters S-58 cabinet, which has the same dimensions as the
>> venerable S-40. Good for comic relief, if nothing else.
>
>Hee hee! Sounds like fun.
>
>> Appears to be
>> a single-bander -- should be fun to mess around with. I always ask
>> this question with every vintage homebrew that I acquire: Did this
>> thing *ever* work right? 73, John, KC2UAK
>
>Most of the time, the answer would be "No" :-)
>
>vy 73, and good luck.
>
>Ken W7EKB
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>Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11
>
>
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>Version: 10.0.1415 / Virus Database: 2102/4066 - Release Date: 12/07/11

1102. Re: [glowbugradio] Re: 6BG6G and 572B?

Yahoo group: glowbugradio
Date: 2011-12-08 21:12:26 UTC
From: Carl
Topic: 1005 Message: 1102

Thanks for the kind words John, I see you often over on the TCA group.

Ive been homebrewing since 1954 when I was 13 and still almost 2 years from my Novice, you dont even want to see what some of it looked like back then! However I was proud of the PP 250TH amp modulated by 810s I built when I was 16 from scrounged parts in Radio Row and AFMARS at Mitchell Field.

Fast forward to modern times: Ive bid and lost on several very high quality HB items, mostly receivers. However I did manage to aquire thru a private sale a Jan 1954 QST cover article 813 transmitter which may very well be the one that Chambers built. Either that or its an exact clone.

I havent got into the restoration yet but have completed all the PS, a PP 811A modulator, and metering. Im torn between doing a rebuild via restuffing all the paper and electrolytic caps and using NOS carbon resistors that have held tolerance or taking the fast way out using all modern components.

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, December 08, 2011 1:42 PM
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

Carl,

My thanks also for the info. You are THE MAN regarding RF amps. Someday this HB amp will make it to my bench....

Does anyone (besides me) actually seek out and collect vintage homebrew ham equipment? Some of it is amazingly well done, others are pretty good (at least fixable and useable), and some are mainly good for comic relief.

73,

John KC2UAK

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 7, 2011 9:57 PM
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

If you want to play "legal" thats a 375W carrier with 100% of DSBAM.
Get it any way you want but at a certain greyline power level a linear final makes more sense.

However a 1500W carrier equals the 6dB advantage of slopbucket...right. Run a clean signal and you will take up less bandwidth than the typical SSB station operated by the clueless.

But it takes 125W each just to light up the 304TL modulators but the huge reserve emission makes for sweet audio. Those tubes are loafing with the 250TH's but will easily handle the 6C21 upgrade (-;

Several months ago I had a LK-800A in here for an upgrade to three 3CPX800A7's and a 3000V PS. I wont say what it took to just start to show distortion but it was mighty damn impressive and all it required was 30-35W of drive which was loafing for the TS-950SD which was running thru a wide AM filter.

Carl
KM1H

----- Original Message -----
From: D C *Mac* Macdonald
To: Glowbug Radio
Sent: Wednesday, December 07, 2011 8:39 PM
Subject: RE: [glowbugradio] Re: 6BG6G and 572B?

Sorry about confusing the Plate Dissipation Ratings.
I know that the "typical" efficiency was figured at
around 70% but I was allowing for conservative rating
of allowable input. I think my 60% might be closer to
what a non-engineer ham might achieve on a home brew amp.

Anyway, if you wanted to build a proper modulator and
do a bunch of other mods to a Heath SB-200 to put it into
Class C service, I guess even the Chinese 572Bs could
handle 500W input to a pair, no?

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
~~ ~ D C "Mac" Macdonald ~ ~~
~ ~ Amateur Radio - K2GKK ~ ~
~ ~ USAF and FAA, Retired ~ ~
~ ~ ~ Oklahoma City, OK ~ ~ ~
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~ www.gmcmhphotos.com/okclb ~
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To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Wed, 7 Dec 2011 20:29:20 -0500
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

Chinese 572B's have a 125W Pd, USA ones are 160W.

Typical Class C grid driven is 70-75% efficiency at the output connector IF all parameters are met. AM generally wants more bias and drive than CW if you want 100% + positive modulation.

Carl
KM1H

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From: D C *Mac* Macdonald
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The 300W input might be for AM linear service.

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input in the range from about 234 to 250 Watts PER TUBE
in ICAS service!

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with a true maximum plate dissipation rating of 125
Watts. If you are using the supposedly lower rated
Chinese tubes, down rate the above figures by a factor
of plate dissipation rating of those tubes divided by 125.

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* 73 - Mac, K2GKK/5 *
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* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: jr6v6gt@...; glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Wed, 7 Dec 2011 11:35:03 -0800
Subject: Re: [glowbugradio] Re: 6BG6G and 572B?

On 7 Dec 2011 at 10:46, John Ruccolo wrote:

> Hi Ken,
>
> Thanks for the info. The seller told me he was selling the contents of
> an estate he had acquired. I looked for some documentation for this
> unit, but found none (seller had quite a bit of paper). This appeared
> to be a "shack cleanout." The tubes are vertical and there is a
> blower. Power supply is solid-state. Construction quality is so-so,
> but I think someone must have had fun doing it, which is the name of
> the game.

Yup.

> I'm guessing it's 60s or 70s vintage. I should have asked
> initially -- would this amp be useful for AM, or should I just stick
> to SSB with it?

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and redder.

> I realize AM will stress the tubes and PS that much
> more....

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> I'll try to send some pictures when I get a chance.
> Another (cheap) purchse from the same vendor was an AM/CW rig with
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> Hallicrafters S-58 cabinet, which has the same dimensions as the
> venerable S-40. Good for comic relief, if nothing else.

Hee hee! Sounds like fun.

> Appears to be
> a single-bander -- should be fun to mess around with. I always ask
> this question with every vintage homebrew that I acquire: Did this
> thing *ever* work right? 73, John, KC2UAK

Most of the time, the answer would be "No" :-)

vy 73, and good luck.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4065 - Release Date: 12/07/11

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Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4066 - Release Date: 12/07/11

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4067 - Release Date: 12/08/11

1103. 1936 Clinton farm radio youtube link

Yahoo group: glowbugradio
Date: 2011-12-12 17:49:49 UTC
From: ressuej
Topic: 1103 Message: 1103

I thought the group would like to see my first time fire up of an apparently rare radio. It is a "farm" radio that has the vibrator power supply, and I'm running it on my 6 volt tractor battery. I love this group! it's inspiring!!!..Enjoy! John R.

http://www.youtube.com/watch?v=KRHH6PMJ7-4

1104. Re: [glowbugradio] 1936 Clinton farm radio youtube link

Yahoo group: glowbugradio
Date: 2011-12-12 18:00:27 UTC
From: Bill Stewart
Topic: 1103 Message: 1104

Congrats John...nothing like the thrill of bringing an old radio back to life.

Tnx for the video...Bill

----- Original Message -----

From: "ressuej" <ressuej@...>
To: glowbugradio@yahoogroups.com
Sent: Monday, December 12, 2011 12:49:49 PM
Subject: [glowbugradio] 1936 Clinton farm radio youtube link

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1105. Re: [glowbugradio] 1936 Clinton farm radio youtube link

Yahoo group: glowbugradio
Date: 2011-12-12 18:01:12 UTC
From: Bill Stewart
Topic: 1103 Message: 1105

Congrats John...nothing like the thrill of bringing an old radio back to life.

Tnx for the video...Bill

----- Original Message -----

From: "ressuej" <ressuej@...>
To: glowbugradio@yahoogroups.com
Sent: Monday, December 12, 2011 12:49:49 PM
Subject: [glowbugradio] 1936 Clinton farm radio youtube link

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http://www.youtube.com/watch?v=KRHH6PMJ7-4

1106. Re: [glowbugradio] 1936 Clinton farm radio youtube link

Yahoo group: glowbugradio
Date: 2011-12-12 20:45:05 UTC
From: Carl
Topic: 1103 Message: 1106

Very nice John. I have about a dozen farm radios in the collection and as far as the genre they are not rare and several collectors specialize in them.
Clinton was in Chicago but they appear to have been around only a short time in the roughly 1935-38 area so survivors may very well be scarce.

Carl
KM1H

----- Original Message -----
From: ressuej
To: glowbugradio@yahoogroups.com
Sent: Monday, December 12, 2011 12:49 PM
Subject: [glowbugradio] 1936 Clinton farm radio youtube link

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4076 - Release Date: 12/12/11

1107. Re: [glowbugradio] 1936 Clinton farm radio youtube link

Yahoo group: glowbugradio
Date: 2011-12-13 03:54:01 UTC
From: John Ruccolo
Topic: 1103 Message: 1107

Hi John,

Very nice! Was that really the first time you powered it up? ;-)

And the price was right, too!

Congrats from a fellow "John R."

From: ressuej <ressuej@...>
To: glowbugradio@yahoogroups.com
Sent: Monday, December 12, 2011 12:49 PM
Subject: [glowbugradio] 1936 Clinton farm radio youtube link

I thought the group would like to see my first time fire up of an apparently rare radio. It is a "farm" radio that has the vibrator power supply, and I'm running it on my 6 volt tractor battery. I love this group! it's inspiring!!!..Enjoy! John R.

http://www.youtube.com/watch?v=KRHH6PMJ7-4

1108. Re: [glowbugradio] 1936 Clinton farm radio youtube link

Yahoo group: glowbugradio
Date: 2011-12-13 15:13:18 UTC
From: John Ressue
Topic: 1103 Message: 1108

Hello everybody..yes to John, that was the first power up. It had a mouse nest of fiberglass STUFFED in the entire case so it is pristine where it counts. My meters told me it was safe to power it up..all original caps as well as everything else. All I did was chop off the sheilded power cord back about 6 inches or so...that was outside of the case for 60+??? years...and moved the battey clips to my jury rigged switch to isolate the battery from the chassis. The added light switch has since been removed from the original battery clips. I will recap it when I get a chance..and groom through it again. I got a new dial lamp that was out that you can see in the vid..but it is all original even the wood finish. Glad you guys liked it..I still have 6 more radios from that same barn shelf to look at!!! merry xmas to me...lol later and happy holidays to all ...JR

From: John Ruccolo <jr6v6gt@...>
To: "glowbugradio@yahoogroups.com" <glowbugradio@yahoogroups.com>
Sent: Monday, December 12, 2011 10:54 PM
Subject: Re: [glowbugradio] 1936 Clinton farm radio youtube link

Hi John,

Very nice! Was that really the first time you powered it up? ;-)

And the price was right, too!

Congrats from a fellow "John R."

From: ressuej <ressuej@...>
To: glowbugradio@yahoogroups.com
Sent: Monday, December 12, 2011 12:49 PM
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http://www.youtube.com/watch?v=KRHH6PMJ7-4

1109. A very interesting Phsics demonstration.

Yahoo group: glowbugradio
Date: 2011-12-13 20:45:44 UTC
From: Kenneth G. Gordon
Topic: 1109 Message: 1109

Here is a "mashed" URL to a Physics demonstration provided by the
Harvard Natural Sciences Lecture Demonstrations.

http://tinyurl.com/3ee2eya

It has application to our understanding of RF and other such waves,
and I found it to be very, very interesting.

I hope you do too. Comments welcome.

Ken W7EKB

1110. Resistors

Yahoo group: glowbugradio
Date: 2011-12-14 21:06:19 UTC
From: Kenneth G. Gordon
Topic: 1110 Message: 1110

In circuits in which 2 watt carbon-comp resistors were originally used, and in which there is some RF present, which type of modern resistor is safe to replace them with?

Metal Film?

Metal Oxide Film?

Carbon film? (I've only found 1/2 watters in this type).

What?

Ken W7EKB

1111. Re: [glowbugradio] Resistors

Yahoo group: glowbugradio
Date: 2011-12-14 21:12:25 UTC
From: Carl
Topic: 1110 Message: 1111

MOX/MOF as long as not spiral wound.

Ive checked many offerings on a HP digital meter and there are differences in inductance among all metallized types.

Carbon comp is still the best at absorbing surges without damage and any film is the worst.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, December 14, 2011 4:06 PM
Subject: [glowbugradio] Resistors

In circuits in which 2 watt carbon-comp resistors were originally
used, and in which there is some RF present, which type of modern
resistor is safe to replace them with?

Metal Film?

Metal Oxide Film?

Carbon film? (I've only found 1/2 watters in this type).

What?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2102/4080 - Release Date: 12/14/11

1112. Re: [glowbugradio] Resistors

Yahoo group: glowbugradio
Date: 2011-12-14 21:19:16 UTC
From: Paul Christensen
Topic: 1110 Message: 1112

> "In circuits in which 2 watt carbon-comp resistors were originally used, and in which there is some RF present, which type of modern resistor is safe to replace them with?"

My vote is ceramic composition especially for high current surge. See Ohmite "OY" 2-watt series:

http://www.ohmite.com/cgi-bin/showpage.cgi?product=ox_oy_series

Paul, W9AC

1113. Re: [glowbugradio] Resistors

Yahoo group: glowbugradio
Date: 2011-12-14 21:26:31 UTC
From: Paul Kraemer
Topic: 1110 Message: 1113

I'll 2nd that. Those are very nice resistors!
Paul K0UYA
----- Original Message -----
From: Paul Christensen
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 14, 2011 3:19 PM
Subject: Re: [glowbugradio] Resistors

> "In circuits in which 2 watt carbon-comp resistors were originally
used, and in which there is some RF present, which type of modern
resistor is safe to replace them with?"

My vote is ceramic composition especially for high current surge. See Ohmite "OY" 2-watt series:

http://www.ohmite.com/cgi-bin/showpage.cgi?product=ox_oy_series

Paul, W9AC

1114. Re: [glowbugradio] Resistors

Yahoo group: glowbugradio
Date: 2011-12-14 22:16:37 UTC
From: Carl
Topic: 1110 Message: 1114

Excellent advice Paul. I completely forgot about those as Ive only used a few in parasitic suppressors and not in Kens application.

Stocked at Mouser.

BTW, Ohmite also has the Mini-Mox and Slim-Mox series for HV metering resistors. Those I use a lot in amp repairs.

Carl
KM1H

----- Original Message -----
From: Paul Christensen
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 14, 2011 4:19 PM
Subject: Re: [glowbugradio] Resistors

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Paul, W9AC

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Version: 10.0.1415 / Virus Database: 2102/4080 - Release Date: 12/14/11

1115. Re: [glowbugradio] Resistors

Yahoo group: glowbugradio
Date: 2011-12-14 23:12:02 UTC
From: Paul Kraemer
Topic: 1110 Message: 1115

Thanks Carl
They must be good. Just recently tried to get some additional 47 ohm 2w from Mouser and they are out untill late March 2012. DigiKey doesn't seem to have them
Paul K0UYA
----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Wednesday, December 14, 2011 4:16 PM
Subject: Re: [glowbugradio] Resistors

Excellent advice Paul. I completely forgot about those as Ive only used a few in parasitic suppressors and not in Kens application.

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1116. TUBE TYPE 4CN15A APPLICATIONS

Yahoo group: glowbugradio
Date: 2011-12-15 10:19:59 UTC
From: Edwin Alcock
Topic: 1116 Message: 1116

Hi All,
Can someone in the group point me in the direction of data for equipment which used the 4CN15A
tube in pulse amplifier or pulse modulator application.
Your help would be appreciated.
73
Ed A

1117. National HRO-500, NCX-3, NCX-5 parts needed

Yahoo group: glowbugradio
Date: 2011-12-19 20:17:41 UTC
From: geoff8122
Topic: 1117 Message: 1117

This is all for a HRO-500 but some NCX-3/5 parts will work. Possibly someone has a junker parts set.

What I need is a VFO cover plus several knobs and/or inserts.

Audio Gain knob, its broken so need a knob and insert, its the smaller outer one.

These need just inserts or complete knobs:

Synthesizer Tune; its skirted with no graphics
AGC Threshold
Function
Passband Tune

I need a good knob with or without insert for Rejection Tune.

All inserts are 3/4" and are the same as the NCX-3 and NCX-5 ones without the dot.

Carl
KM1H

1118. Interesting story...

Yahoo group: glowbugradio
Date: 2011-12-21 05:31:13 UTC
From: Kenneth G. Gordon
Topic: 1118 Message: 1118

perhaps: at least to some.

Back in the 1960s, when I was setting up to do 'phone patching for the troops in Vietnam and SEA for AFMARS, I bought a 100' crank-up tower, and a 3 element wide-spaced tri-band beam.

I mounted the tower beside our two-story house, using the house itself as the support for the bottom section of the tower.

I mounted the beam, connected all the coax and went to the shack to check SWR, and how well it worked, but did not at that point crank the tower up.

20 meters was busy, but not very, and signal levels were fair.

Then I went out and cranked the tower up to its full 100 foot height, and went back into the shack.

20 meter was now literally wall-to-wall with signals, the vast majority of which were S-9 or better.

I thought, "Gee...band conditions must have changed suddenly", but then I wondered if the increased height had anything to do with it. So, I went out and cranked the tower back down to its minimum height.

20 meters was back as it was at first: some signals, but not many, and signal levels were average.

After that, I cranked the tower back up and left it, still amazed at the huge difference in signals and levels the added 80 feet made.

I sure wish I had that set up now.

My vertical is showing about 1.3 db LESS gain than a dipole at even minimum height.

Ken W7EKB

1119. Re: [glowbugradio] Interesting story...

Yahoo group: glowbugradio
Date: 2011-12-21 15:24:02 UTC
From: Carl
Topic: 1118 Message: 1119

90-100' has always been considered the sweet point for 20M DX and contesting. Later modeling and propagation studies confirmed it.

My initial antennas when I got out of the USN active duty was a TH-3 at 90' in MA (1964)and a TH-6 at 100' in an earlier NH QTH in 67. Later when I moved from IL to NH (1973) again it was a TH-6 and then a 4el Christmas Tree monobander stack starting at 90' until I moved here in 89. All were great performers.

When I still had the 4 high 4el stack here (40' booms HB W2PV designs) they were at 40/80/120/160' with all rotatable. I could select the lower pair, the upper pair and all 4 which centered the elevation pattern at 100'. They were absolute killers for running EU or I could select several directions to maximize propagation.

These days its 3el on a 21.5' boom at 60' which gets the job done but with a bit more effort.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, December 21, 2011 12:31 AM
Subject: [glowbugradio] Interesting story...

perhaps: at least to some.

Back in the 1960s, when I was setting up to do 'phone patching for the troops in Vietnam and SEA for AFMARS, I bought a 100' crank-up tower, and a 3 element wide-spaced tri-band beam.

I mounted the tower beside our two-story house, using the house itself as the support for the bottom section of the tower.

I mounted the beam, connected all the coax and went to the shack to check SWR, and how well it worked, but did not at that point crank the tower up.

20 meters was busy, but not very, and signal levels were fair.

Then I went out and cranked the tower up to its full 100 foot height, and went back into the shack.

20 meter was now literally wall-to-wall with signals, the vast majority of which were S-9 or better.

I thought, "Gee...band conditions must have changed suddenly", but then I wondered if the increased height had anything to do with it. So, I went out and cranked the tower back down to its minimum height.

20 meters was back as it was at first: some signals, but not many,
and signal levels were average.

After that, I cranked the tower back up and left it, still amazed at
the huge difference in signals and levels the added 80 feet made.

I sure wish I had that set up now.

My vertical is showing about 1.3 db LESS gain than a dipole at even
minimum height.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2108/4093 - Release Date: 12/20/11

1120. National HRO-500, NCX-3, NCX-5 parts wanted

Yahoo group: glowbugradio
Date: 2011-12-21 15:30:40 UTC
From: geoff8122
Topic: 1120 Message: 1120

This is all for a HRO-500 but some NCX-3/5 parts will work. Possibly someone has a junker parts set.

What I need is a VFO cover plus several knobs and/or inserts.

Audio Gain knob, its broken so need a knob and insert, its the smaller outer one.

These need just inserts or complete knobs:

Synthesizer Tune; its skirted with no graphics
AGC Threshold
Function
Passband Tune

I need a good knob with or without insert for Rejection Tune.

All inserts are 3/4" and are the same as the NCX-3 and NCX-5 ones without the dot.

Carl
KM1H

1121. Re: [glowbugradio] Interesting story...

Yahoo group: glowbugradio
Date: 2011-12-21 18:07:56 UTC
From: Kenneth G. Gordon
Topic: 1118 Message: 1121

On 21 Dec 2011 at 10:24, Carl wrote:

> 90-100' has always been considered the sweet point for 20M DX and
> contesting. Later modeling and propagation studies confirmed it.

I had no idea then. Nice to know. Much of what I learned in my early days was via experimentation and observation.

> My initial antennas when I got out of the USN active duty was a TH-3

That was the antenna I used for 'phone patching at the top of my 100' tower, tuned for above 20 meters.

> at 90' in MA (1964)and a TH-6 at 100' in an earlier NH QTH in 67.
> Later when I moved from IL to NH (1973) again it was a TH-6 and then a
> 4el Christmas Tree monobander stack starting at 90' until I moved here
> in 89. All were great performers.

Gee....that would have been delightful. :-)

> When I still had the 4 high 4el stack here (40' booms HB W2PV designs)
> they were at 40/80/120/160' with all rotatable. I could select the
> lower pair, the upper pair and all 4 which centered the elevation
> pattern at 100'. They were absolute killers for running EU or I could
> select several directions to maximize propagation.
>
> These days its 3el on a 21.5' boom at 60' which gets the job done but
> with a bit more effort.

Even that sounds delightful.

Ken W7EKB

1122. Advice and suggestions:

Yahoo group: glowbugradio
Date: 2012-01-05 20:01:16 UTC
From: Kenneth G. Gordon
Topic: 1122 Message: 1122

Project:

A remotely-adjustable, base-loading coil system for my 80 - 10 meter 55' vertical so I can use
it on 160 meters, and possibly on 600 meters.

Present configuration:

A hand-wound coil, of #14-solid copper wire on an old 3" or 4" diameter glazed-ceramic National coil form, with taps, mounted directly at the base of the antenna. I run outside to
manually change the taps with a large clip, bypassing the coil for everything 80 meters and above. The system works very well, SWR can be easily adjusted, via my in-shack antenna tuner, to 1:1 SWR over the 160 meter band, although I must move the tap about every 50 KHz, or so. Three taps allows me to cover the whole band. Obviously, the system is quite high-"Q". I have worked Europe with this and 100 watts a couple of times from my QTH here in northern Idaho.

I suppose that what it amounts to is a 55' tall mobile antenna system.

Goals:

Primary: To replace the hand-wound, manually adjusted coil with a remotly-controlled motor-
driven one, either an MFJ roller-inductor of the appropriate inductance (less desireable since
I don't think it could handle a KW) or with the very heavy-duty roller-inductor from a BC-939
antenna tuner (more desirable IMHO, but more difficult to implement), both of which I already
have.

Secondary: To implement this loading coil in series with a much larger loading coil (around 650 MH) so I can use this antenna system on 600 meters. I will need to switch the larger coil
into and out of the circuit, and want to use the smaller coil to make necessary adjustments during use. RF voltages at 600 meters will be very high, and this must be taken into account
when designing the switching relay system.

Since the entire system will be mounted outside, I will need to design some sort of at least
weather-proof box for it, although a completely water-tight system might be the ultimate goal.

So, has anyone here attempted such a system? What were your experiences? Advice? "Watch-out-fors"? Etc.?

Ken W7EKB

1123. Re: [glowbugradio] Advice and suggestions:

Yahoo group: glowbugradio
Date: 2012-01-05 20:45:39 UTC
From: mac
Topic: 1122 Message: 1123

Ken,

For something along the lines lines you're talking about see the last
two pictures at
<http://groups.yahoo.com/group/Vintage_SSB_Round_Table/photos/album/1587254471/pic/list
>

This is the remotely controlled box for my 160, 75 and 40M antenna
system, 130Ft. inverted -L wire, L network tuner for 75 & 40M, series
tuned network for 160. Couple of relays for remote switching and
reversible gear motors on the variables. I can get full coverage on
75 & 40M and abut 80% of 160 without having to go out into the back
yard and manually changing coil taps. Have a backyard full of radials
under the thing too, and I run legal max through it (high RF voltages
on 75 & 40M)

Dennis D. W7QHO
Glendale, CA

****
On Jan 5, 2012, at 12:01 PM, Kenneth G. Gordon wrote (in part):

> Since the entire system will be mounted outside, I will need to
> design some sort of at least
> weather-proof box for it, although a completely water-tight system
> might be the ultimate goal.
>
> So, has anyone here attempted such a system? What were your
> experiences? Advice?
> "Watch-out-fors"? Etc.?

1124. Re: [glowbugradio] Advice and suggestions:

Yahoo group: glowbugradio
Date: 2012-01-05 21:07:51 UTC
From: Theosleaper
Topic: 1122 Message: 1124

Ken,
If you are going to a remote operation, why not consider the advantages of mounting the coil between 1/3 and 1/2 the height of the vertical. This will give you the advantages of a center loaded inductor.
Rick, K1WYH

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <Glowbugradio@yahoogroups.com>
Sent: Thursday, January 05, 2012 3:01 PM
Subject: [glowbugradio] Advice and suggestions:

> Project:
>
> A remotely-adjustable, base-loading coil system for my 80 - 10 meter 55'
> vertical so I can use
> it on 160 meters, and possibly on 600 meters.
>
> Present configuration:
>
> A hand-wound coil, of #14-solid copper wire on an old 3" or 4" diameter
> glazed-ceramic
> National coil form, with taps, mounted directly at the base of the
> antenna. I run outside to
> manually change the taps with a large clip, bypassing the coil for
> everything 80 meters and
> above. The system works very well, SWR can be easily adjusted, via my
> in-shack antenna
> tuner, to 1:1 SWR over the 160 meter band, although I must move the tap
> about every 50
> KHz, or so. Three taps allows me to cover the whole band. Obviously, the
> system is quite
> high-"Q". I have worked Europe with this and 100 watts a couple of times
> from my QTH here
> in northern Idaho.
>
> I suppose that what it amounts to is a 55' tall mobile antenna system.
>
> Goals:
>
> Primary: To replace the hand-wound, manually adjusted coil with a
> remotly-controlled motor-
> driven one, either an MFJ roller-inductor of the appropriate inductance
> (less desireable since
> I don't think it could handle a KW) or with the very heavy-duty

> roller-inductor from a BC-939
> antenna tuner (more desirable IMHO, but more difficult to implement), both
> of which I already
> have.
>
> Secondary: To implement this loading coil in series with a much larger
> loading coil (around
> 650 MH) so I can use this antenna system on 600 meters. I will need to
> switch the larger coil
> into and out of the circuit, and want to use the smaller coil to make
> necessary adjustments
> during use. RF voltages at 600 meters will be very high, and this must be
> taken into account
> when designing the switching relay system.
>
> Since the entire system will be mounted outside, I will need to design
> some sort of at least
> weather-proof box for it, although a completely water-tight system might
> be the ultimate goal.
>
> So, has anyone here attempted such a system? What were your experiences?
> Advice?
> "Watch-out-fors"? Etc.?
>
> Ken W7EKB
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

1125. Re: [glowbugradio] Advice and suggestions:

Yahoo group: glowbugradio
Date: 2012-01-05 22:52:36 UTC
From: Carl
Topic: 1122 Message: 1125

Im having visions of a home brew switch driven by a stepper motor.

A thick G-10 or similar board that can handle a lot of RF current and voltage without charing and arcing, machined #8 brass screw heads for fixed contacts, and a spring brass wiper from a large surplus switch that holds good tension.

Variable inductors seem to easily become intermittent even indoors.

With the tuner in the house that coil to coax tap is likely to be highly reactive and cause fireworks at QRO. Consider adding a second switch section to add some C to at least get the VSWR somewhat within reason.

Another option is several relays configured as in a remote antenna switch and even more so under a wide range of voltage and current.

600 mH for 600M?? or is that uH?

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, January 05, 2012 3:01 PM
Subject: [glowbugradio] Advice and suggestions:

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I suppose that what it amounts to is a 55' tall mobile antenna system.

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weather-proof box for it, although a completely water-tight system might be the ultimate goal.

So, has anyone here attempted such a system? What were your experiences? Advice? "Watch-out-fors"? Etc.?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1416 / Virus Database: 2109/4124 - Release Date: 01/05/12

1126. Re: [glowbugradio] Advice and suggestions:

Yahoo group: glowbugradio
Date: 2012-01-05 23:15:25 UTC
From: Rod Hogg
Topic: 1122 Message: 1126

MFJ Markets base loading coil systems for their verticles to work on 80 and 160. Kinda pricey, but have heard good comments on their performance.

Rod
KØEQH

--- On Thu, 1/5/12, Kenneth G. Gordon <kgordon2006@frontier.com> wrote:

From: Kenneth G. Gordon <kgordon2006@...>
Subject: [glowbugradio] Advice and suggestions:
To: Glowbugradio@yahoogroups.com
Date: Thursday, January 5, 2012, 2:01 PM

Project:

A remotely-adjustable, base-loading coil system for my 80 - 10 meter 55' vertical so I can use
it on 160 meters, and possibly on 600 meters.

1127. An interesting discovery

Yahoo group: glowbugradio
Date: 2012-01-06 02:09:49 UTC
From: Kenneth G. Gordon
Topic: 1127 Message: 1127

Although I have always suspected that if the conditions were right, an antenna set up for minimum SWR and resonant on 160 SHOULD work almost as well on 80 I confirmed that a few minutes ago.

Having set up my system for 160 meters last night, and having it tuned up on 1818 KHz., just
to experiment, I switched the rig to 80 meters, around 3585 KHz, and with VERY minor tweaking of the antenna coupler, I achieved close to 1:1 SWR there without changing the taps on the base loading coil.

Hmmmm.....

I wonder what my "new" radiation pattern looks like?

Whereas, with the base loading-coil out of the circuit, and the system tuned up for 80, my noise level commonly sits at +20 DB over S-9, now it is S-4.

This undoubtedly signifies considerable signal loss.

However, signals between my station and K7BDU in Western Washington appear to be only about 10 db lower than they normally are.

There might be an advantage to this trade-off...

Ken W7EKB

1128. Re: [glowbugradio] Advice and suggestions - thanks.

Yahoo group: glowbugradio
Date: 2012-01-07 17:25:34 UTC
From: Kenneth G. Gordon
Topic: 1122 Message: 1128

On 5 Jan 2012 at 12:45, mac wrote:

>
> Ken,
>
> For something along the lines lines you're talking about see the last two pictures at
> <http://groups.yahoo.com/group/Vintage_SSB_Round_Table/photos/album/1587254471/pic/list>

Hello, Dennis:

Unfortunately, I can't view your photos until I join the VIntage SSB Roundtable. I may do that,
but at this point, would prefer not to. I get too many e-mails per day as it is. :-)

> This is the remotely controlled box for my 160, 75 and 40M antenna system, 130Ft. inverted -L
> wire, L network tuner for 75 & 40M, series tuned network for 160. Couple of relays for remote
> switching and reversible gear motors on the variables. I can get full coverage on 75 & 40M and
> abut 80% of 160 without having to go out into the back yard and manually changing coil taps.
> Have a backyard full of radials under the thing too, and I run legal max through it (high RF
> voltages on 75 & 40M)

Thanks for the info, Dennis.

And I also thank the rest of the folks here for the help and suggestions.

The entire family picked up some nasty virus while in Texas. I am in the best shape of all of
the rest, thus my delay in acknowledging your suggestions.

More later,

vy 73 to all,

Ken W7EKB

1129. Re: [glowbugradio] Advice and suggestions - thanks.

Yahoo group: glowbugradio
Date: 2012-01-07 18:05:04 UTC
From: Carl
Topic: 1122 Message: 1129

Montezumas Revenge

----- Original Message -----
From: Kenneth G. Gordon
To: mac
Cc: Glowbugradio@yahoogroups.com
Sent: Saturday, January 07, 2012 12:25 PM
Subject: Re: [glowbugradio] Advice and suggestions - thanks.

On 5 Jan 2012 at 12:45, mac wrote:

>
> Ken,
>
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1416 / Virus Database: 2109/4128 - Release Date: 01/07/12

1130. RE: [glowbugradio] Advice and suggestions - thanks.

Yahoo group: glowbugradio
Date: 2012-01-07 18:12:56 UTC
From: D C *Mac* Macdonald
Topic: 1122 Message: 1130

I decided to sign up and then opted for NO messages to be
sent other than those from the administrator.

If a tipoff comes that leads to the "Vintage SSB Round
Table" site I can then just go and look without opening
myself up to even more email deluges than already swamp me!

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* k2gkk@... *
* (Since 30 Nov 53) *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

_____
To: glowbugradio@yahoogroups.com; w7qho@...
CC: Glowbugradio@yahoogroups.com
From: km1h@....com
Date: Sat, 7 Jan 2012 13:05:04 -0500
Subject: Re: [glowbugradio] Advice and suggestions - thanks.

Montezumas Revenge

----- Original Message -----
From: Kenneth G. Gordon
To: mac
Cc: Glowbugradio@yahoogroups.com
Sent: Saturday, January 07, 2012 12:25 PM
Subject: Re: [glowbugradio] Advice and suggestions - thanks.

On 5 Jan 2012 at 12:45, mac wrote:

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> Ken,
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More later,

vy 73 to all,

Ken W7EKB

1131. Re: [glowbugradio] Advice and suggestions - thanks.

Yahoo group: glowbugradio
Date: 2012-01-07 18:32:30 UTC
From: Kenneth G. Gordon
Topic: 1122 Message: 1131

On 7 Jan 2012 at 13:05, Carl wrote:

> Montezumas Revenge

Maybe....if he has changed to respiratory rather than intestinal
revenge.

The wedding was very nice.

Ken W7EKB

1132. Tube sockets

Yahoo group: glowbugradio
Date: 2012-01-10 01:59:06 UTC
From: Lloyd Godsey
Topic: 1132 Message: 1132

Someone wanted a bunch of 7 pin shield base tube sockets.
I found them but my email list crashed and I lost their address.
Please contact me.

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1133. "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 01:42:33 UTC
From: Kenneth G. Gordon
Topic: 1133 Message: 1133

I was just given a "new" (to me) Tek 2467B scope. Anyone know if this is a good one? 400 MHz. Looks good but is sure dirty. Doesn't look like it was used much. Came from University of Idaho surplus.

Ken W7EKB

1134. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 01:51:26 UTC
From: Bob Macklin
Topic: 1133 Message: 1134

Ken,

Does it seem to work? If so it's better than most cheap scopes.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@...m
Sent: Tuesday, January 10, 2012 5:42 PM
Subject: [glowbugradio] "New" Tek scope

I was just given a "new" (to me) Tek 2467B scope. Anyone know if this
is a good one? 400 MHz. Looks good but is sure dirty. Doesn't look
like it was used much. Came from University of Idaho surplus.

Ken W7EKB

1135. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 01:58:46 UTC
From: Kenneth G. Gordon
Topic: 1133 Message: 1135

On 10 Jan 2012 at 17:51, Bob Macklin wrote:

> Ken,
>
> Does it seem to work?

Not sure yet. I am in the process of cleaning it up first.

> If so it's better than most cheap scopes.

I thought it might be. :-)

Ken

1136. RE: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 15:07:13 UTC
From: Tom Rousseau
Topic: 1133 Message: 1136

Ken,

The short answer is yes, it's a good one.

The 2467B is not your ordinary scope. It is a very specialized instrument optimized for measuring low rep-rate and single shot events. It uses "micro-channel plate" faceplate technology to multiply the effect of very few electrons in the CRT's electron beam through the faceplate structure to present a viewable trace (much as a photomultiplier). This was very expensive technology at the time, using analog techniques. Today, the same end is accomplished by high rate digitizers backed up with deep memory. The CRT in the 2467B is very fragile and can be easily damaged if not properly attended to. The scope has an automatic beam reduction featured timed to protect the CRT. It is a fabulous instrument for low rep signals, but not my first choice for general scope applications. Tek made three scopes using the micro-channel plate technology: 7104, 2567x and 11301.

The last time I followed pricing, a good 2467 was fetching about $1K, plus or minus. If you really don't need the low rep-rate capabilities, you could probably sell it for a good price, buy a nice 2465x, and have a lot of pocket change left. If you need the low rep-rate capability, you can't do much better. just be careful.

Wikipedia has several good articles describing micro-plate technology, including oscilloscope applications.

You have a very special scope, but please be aware of it's frailty. Worth spending the money for user and service manuals, and properly restore.

Enjoy and good luck.

Tom K7PJT

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Tuesday, January 10, 2012 5:43 PM
To: Glowbugradio@yahoogroups.com
Subject: [glowbugradio] "New" Tek scope

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Ken W7EKB

1137. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 15:35:05 UTC
From: Kenneth G. Gordon
Topic: 1133 Message: 1137

I had no idea, Tom. Thanks a lot for the description.

I do not know this scope's history. After cleaning it up externally,
and removing it from its case, I can see no obvious problems with it.

Inside, it looks pristine.

I have not yet fired it up. I suspect that it may have some problems.
I can only hope it has not been damaged some way.

I'll know more later this week.

I downloaded the complete service manual for it from Tek's website.

I have gotten several items from U. of I. surplus over the years
which to me were quite valuable. For instance, I found in the trash a
DeForest Audion replica, with socket, which I sold for $1700.00 to a
collector who knew exactly what it was and wanted it badly. I also
found an original "Navy" tuner from the 1920s which I then sold for
$300.00 despite the fact that it had been damaged, although it was
restorable.

I am hoping this might be the same sort of "deal".

Ken W7EKB

On 11 Jan 2012 at 7:07, Tom Rousseau wrote:

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> using analog techniques. Today, the same end is accomplished by high
> rate digitizers backed up with deep memory. The CRT in the 2467B is
> very fragile and can be easily damaged if not properly attended to.
> The scope has an automatic beam reduction featured timed to protect
> the CRT. It is a fabulous instrument for low rep signals, but not my
> first choice for general scope applications. Tek made three scopes
> using the micro-channel plate technology: 7104, 2567x and 11301.
>
> The last time I followed pricing, a good 2467 was fetching about $1K,

> plus or minus. If you really don't need the low rep-rate
> capabilities, you could probably sell it for a good price, buy a nice
> 2465x, and have a lot of pocket change left. If you need the low
> rep-rate capability, you can't do much better. just be careful.
>
> Wikipedia has several good articles describing micro-plate technology,
> including oscilloscope applications.
>
> You have a very special scope, but please be aware of it's frailty.
> Worth spending the money for user and service manuals, and properly
> restore.
>
> Enjoy and good luck.
>
> Tom K7PJT

1138. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 15:41:46 UTC
From: Kenneth G. Gordon
Topic: 1133 Message: 1138

On 11 Jan 2012 at 7:07, Tom Rousseau wrote:

> The 2467B is not your ordinary scope. It is a very specialized
> instrument optimized for measuring low rep-rate and single shot
> events.

I might add that the only use I would have for the low rep rate feature would be when I use the "IF sweep generator" technique for aligning receiver IF strips.

In order to prevent ringing of the IF chain, I have to keep the sweep rate low, which, when using an ordinary scope, requires turning off the lights in the shack and using what little presistence is available in the scope to see a clear display.

My new scope has the GPIB interface built into it also.

Ken W7EKB

1139. RE: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 16:23:12 UTC
From: Tom Rousseau
Topic: 1133 Message: 1139

Ken,

I need to apologize for not being more specific about the low rep rate signal. I was thinking of low rep rate, high speed signals such as encountered in fast digital logic. The 2467x is spec'd to have a visual writing speed of 4 cm/ns. That means that you can see a 4 cm transition over one ns. single shot. a onetime event. Back in the 80's, that was impossible to accomplish with any traditional analog scope, which were at least 100 times less sensitive for visual writing speed.

This is different than the low rep-rate signal that one would encounter with a slow IF sweep. For that, a slow decaying phosphor (such as P-7) or a variable persistence storage capability is more useful. Or a spectrum analyzer with a tracking generator.

I apologize for not being more accurate in my description.

Tom

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Wednesday, January 11, 2012 7:42 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] "New" Tek scope

On 11 Jan 2012 at 7:07, Tom Rousseau wrote:

> The 2467B is not your ordinary scope. It is a very specialized
> instrument optimized for measuring low rep-rate and single shot
> events.

I might add that the only use I would have for the low rep rate feature would be when I use the "IF sweep generator" technique for aligning receiver IF strips.

In order to prevent ringing of the IF chain, I have to keep the sweep rate low, which, when using an ordinary scope, requires turning off the lights in the shack and using what little presistence is available in the scope to see a clear display.

My new scope has the GPIB interface built into it also.

Ken W7EKB

1140. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 17:12:34 UTC
From: Kenneth G. Gordon
Topic: 1133 Message: 1140

On 11 Jan 2012 at 8:23, Tom Rousseau wrote:

> Ken,
>
> I need to apologize for not being more specific about the low rep rate
> signal. I was thinking of low rep rate, high speed signals such as
> encountered in fast digital logic. The 2467x is spec'd to have a
> visual writing speed of 4 cm/ns. That means that you can see a 4 cm
> transition over one ns. single shot. a onetime event. Back in the
> 80's, that was impossible to accomplish with any traditional analog
> scope, which were at least 100 times less sensitive for visual writing
> speed.
>
> This is different than the low rep-rate signal that one would
> encounter with a slow IF sweep. For that, a slow decaying phosphor
> (such as P-7) or a variable persistence storage capability is more
> useful. Or a spectrum analyzer with a tracking generator.
>
> I apologize for not being more accurate in my description.

Tom:

There is most certainly no need for apologies. I very much value your information, and appreciate your efforts.

Thank you.

BTW, I took a look on eBay. There are two 2467s shown there at the moment. One seller is asking almost $2500 for his.

It appears that the Operating manuals are very hard to find, although the service manual is not.

I don't know yet if my unit works. I'll keep y'all informed.

vy 73,

Ken W7EKB

1141. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-11 22:54:05 UTC
From: Ken
Topic: 1133 Message: 1141

All this typing and answering and typing and answering....

PLUG THE THING UP AND SEE IF IT WORKS !!! I CAN'T STAND THE WAIT !!! ;~)

Ken
N4zed

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, January 11, 2012 12:12 PM
Subject: Re: [glowbugradio] "New" Tek scope

On 11 Jan 2012 at 8:23, Tom Rousseau wrote:

> Ken,
>
> I need to apologize for not being more specific about the low rep rate
> signal. I was thinking of low rep rate, high speed signals such as
> encountered in fast digital logic. The 2467x is spec'd to have a
> visual writing speed of 4 cm/ns. That means that you can see a 4 cm
> transition over one ns. single shot. a onetime event. Back in the
> 80's, that was impossible to accomplish with any traditional analog
> scope, which were at least 100 times less sensitive for visual writing
> speed.
>
> This is different than the low rep-rate signal that one would
> encounter with a slow IF sweep. For that, a slow decaying phosphor
> (such as P-7) or a variable persistence storage capability is more
> useful. Or a spectrum analyzer with a tracking generator.
>
> I apologize for not being more accurate in my description.

Tom:

There is most certainly no need for apologies. I very much value your
information, and appreciate your efforts.

Thank you.

BTW, I took a look on eBay. There are two 2467s shown there at the
moment. One seller is asking almost $2500 for his.

It appears that the Operating manuals are very hard to find, although
the service manual is not.

I don't know yet if my unit works. I'll keep y'all informed.

vy 73,

Ken W7EKB

1142. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-12 19:10:53 UTC
From: Kenneth G. Gordon
Topic: 1133 Message: 1142

On 11 Jan 2012 at 17:54, Ken wrote:

> All this typing and answering and typing and answering....
>
> PLUG THE THING UP AND SEE IF IT WORKS !!! I CAN'T STAND THE WAIT !!! ;~)
>
> Ken
> N4zed

After letting it sit on top of one of our hot-water radiators (very low heat) for a couple of days
to make certain it was well dried out, since when I found it, it had been left outside and there
was a bit of water in that pouch on top, and after cleaning it up a bit, removing the outer case
(and finding it pristine inside) I fired it up this morning.

EVERYTHING appears to be working absolutely correctly. :-).

All controls work, the on-screen readouts are correct, follow the control settings, and are completely stable.

The fan works, and is quiet.

In AUTO mode, it goes through its setup procedure correctly, and there are no error messages displayed.

Looks like I have a keeper.

I am going to dig out a set of nice probes I bought some time ago and give it a good workout
later today.

Ken W7EKB

1143. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-12 23:32:57 UTC
From: Ken
Topic: 1133 Message: 1143

WHOO-HOOO !!!

Ken
N4zed

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, January 12, 2012 2:10 PM
Subject: Re: [glowbugradio] "New" Tek scope

On 11 Jan 2012 at 17:54, Ken wrote:

> All this typing and answering and typing and answering....
>
> PLUG THE THING UP AND SEE IF IT WORKS !!! I CAN'T STAND THE WAIT !!! ;~)
>
> Ken
> N4zed

After letting it sit on top of one of our hot-water radiators (very low heat) for a couple of days
to make certain it was well dried out, since when I found it, it had been left outside and there
was a bit of water in that pouch on top, and after cleaning it up a bit, removing the outer case
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The fan works, and is quiet.

In AUTO mode, it goes through its setup procedure correctly, and there are no error messages displayed.

Looks like I have a keeper.

I am going to dig out a set of nice probes I bought some time ago and give it a good workout
later today.

Ken W7EKB

1144. Re: [glowbugradio] "New" Tek scope

Yahoo group: glowbugradio
Date: 2012-01-12 23:38:37 UTC
From: Bob Macklin
Topic: 1133 Message: 1144

I guess the means IT WORKS!

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Ken
To: glowbugradio@yahoogroups.com
Sent: Thursday, January 12, 2012 3:32 PM
Subject: Re: [glowbugradio] "New" Tek scope

WHOO-HOOO !!!

Ken
N4zed

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, January 12, 2012 2:10 PM
Subject: Re: [glowbugradio] "New" Tek scope

On 11 Jan 2012 at 17:54, Ken wrote:

> All this typing and answering and typing and answering....
>
> PLUG THE THING UP AND SEE IF IT WORKS !!! I CAN'T STAND THE WAIT !!! ;~)
>
> Ken
> N4zed

After letting it sit on top of one of our hot-water radiators (very low heat) for a couple of days
to make certain it was well dried out, since when I found it, it had been left outside and there
was a bit of water in that pouch on top, and after cleaning it up a bit, removing the outer case
(and finding it pristine inside) I fired it up this morning.

EVERYTHING appears to be working absolutely correctly. :-).

All controls work, the on-screen readouts are correct, follow the control settings, and are completely stable.

The fan works, and is quiet.

In AUTO mode, it goes through its setup procedure correctly, and there are no error messages displayed.

Looks like I have a keeper.

I am going to dig out a set of nice probes I bought some time ago and give it a good workout
later today.

Ken W7EKB

1145. Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

Yahoo group: glowbugradio
Date: 2012-01-20 04:25:34 UTC
From: davidpnewkirk
Topic: 1145 Message: 1145

A receiver under continuous development at W9VES, the BG-3, uses 80- and 40-meter band imaging to a 1.7-MHz IF as described in my page at http://mysite.verizon.net/dpnewkirk/ej/goodman_receiver/ . Figure 3 in that page shows its mixer conceptually: a 6AC7 high-transconductance pentode with incoming signal (RF) applied to its grid, and the local oscillator (LO) applied to its cathode. Especially if you get its regeneration under control with the use of an LO buffer amplifier as I describe there, the 6AC7 makes a good mixer for this purpose. Other video-amp pentodes would likely work as well or better, assuming they have a separate, groundable grid-3 connection.

After many experiments with various 1.7-MHz detector types and configurations, I keep coming back to a tetrode Hartley regenerative detector synthesized from a 9A-based dual triode (generally a 5963 or 5814A, but I can throw a switch that cuts in resistance into the detector-heater line to allow me to use an 8CG7). To further improve this stage's ability to handle stronger signals before I must reduce the incoming signal with the set's RF GAIN control (a potentiometer between the set's antenna jack and the few-turns link on the 6AC7's grid-tank inductor), I reduced the detector grid leak from 1 megohm to 100 kilohms, and it makes quite a difference.

Two experiences alerted me to a hidden feature of the set's 6AC7 mixer. One was that as I plugged and unplugged the set's local oscillator (outboard for stability reasons, and so I can experiment with different signal sources), I'd hear a blast of noise and signals at the set's 1.7-MHz IF before the shield flanges of the LO cable connector made contact. Another was that the hiss level at the mixer output went up when I experimentally substituted an amplified-up-to-200-mW solid-state Kenwood VFO for my purpose-built solid-state (and now hollow-state) VFO (because the Class A LO amps I was using were hissy). Thinking both of these events over, I looked again at the mixer schematic and realized the obvious: For signals applied to its LO port (the cathode in Goodman's mixer arrangement), the 6AC7 operates as a grounded-grid amplifier--at 160 meters, with better grounding than first appearances might suggest, for the design's 80- or 40-meter parallel-tuned grid circuit will look like a pretty low impedance at 1.7 MHz.

This suggested to me the way-fun extension of the set from "just an 80- and 40-meter band-imaging superhet" to that plus a 160-meter regen, with the 6AC7 stage acting as a grounded-grid RF amplifier during 160-m-regen service. All I'd have to do is add detector tank capacitance switching and add a front-panel variable to be able to switch the detector between fixed service at 1.7 MHz and tunable service from 1.8 MHz up (to 1.835 MHz, as it turns out in practice with the capacitor I used). (BTW, when your chassis/cabinet consists of a big rectangular cookie tin spade-bolted to a slightly, slightly wider and deeper cookie tin, these changes come easy: To start drilling a hole, push hard on a pushpin; to ream the hole, twistingly work in one jaw of a pair of needlenose pliers. _Sure_ it's mechanically flexy, but did I say something about the set's LO being outboard "for stability reasons"? :-D)

Fueling my interest in this is the fact that the impedance looking into the 6AC7 cathode with the tube operating in grounded-grid should be on the order of 111 ohms--a good match for a 50-ohm antenna and/or filtering. (Source: Lankford-Smith in the 3rd edition of the

Radiotron Designer's Handbook: A first approximation of the cathode impedance of a grounded-grid pentode amplifier is 1/transconductance [in siemens, as it turns out, making 1/0.009 for the 6AC7].) All I'd need to do is add switching to (1) ground the 6AC7's grid and (2) switch its antenna input connector and RF GAIN control into the 6AC7 cathode line. I should by Radio Shack toggles by the gross. ("It's just this little chromium switch here...")

Well. I haven't yet gotten to the off-putting business of building in switching of the RF GAIN control and antenna connector into the 6AC7 cathode, but as I type this I'm listening to W1AW's code practice on 160 after having thrown the set's into BG/REGEN toggle to REGEN to switch out capacitance in the grid tank of the set's regenerative detector. And this is with no particular 160-meter filtering in the antenna line (which I'm feeding into the set's LO jack, which you will recall is connected to the 6AC7 cathode); I'm receiving 160 just with what leaks through my homemade balanced-line tuner with its 80-meter coil plugged in. (Before parking on 1AW I heard a QSO between K8HZK and K0CDJ. So this 1.7-MHz-detector-as-160-m-regen idea has legs.)

Another, nearly sure-fire, idea occurs to me as a result of this 160-meter experiment, and it's one that Goodman would have approved of. If the 6AC7 cathode is a reasonable match to 50 ohms at 1.8 MHz, it will also be close enough to 50 oyhms at 3.5 and 7 MHz for me to try further modifying the 6AC7 mixer stage such with the set switched to superhet mode the LO goes to the 6AC7 grid and RF signals to be frequency-converted are applied to the 6AC7 cathode. When Goodman described this mixer in the early 1950s (actually in the late 1930s in slightly different form), the radio world had yet to generally move to the 50-ohm signal interface impedance level that we treat as a default today. Nowadays it's straightforward to build very good two- or three-tuned-circuit "50 ohm" filters capable of covering a ham band without tuning (but which filters, if you like, you can design to be a bit undercoupled [for sharper peaking], and then tune them simultaneously with a multiple-section variable capacitor--just like peaking the _grid_ of the 6AC7 with Goodman's original double-tuned-circuit filter (or my cheesy single-tuned-circuit stopgap). So I may well end up with the 6AC7 stage reconfigured to operate in grounded cathode for LO and grounded grid for RF.

Best regards,

Dave
amateur radio W9VES

1146. Re: [glowbugradio] Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

Yahoo group: glowbugradio
Date: 2012-01-20 17:12:48 UTC
From: Kenneth G. Gordon
Topic: 1145 Message: 1146

Snazzy, David!! :-)

Ken W7EKB

On 20 Jan 2012 at 4:25, davidpnewkirk wrote:

> A receiver under continuous development at W9VES, the BG-3, uses 80-
> and 40-meter band imaging to a 1.7-MHz IF as described in my page at
> http://mysite.verizon.net/dpnewkirk/ej/goodman_receiver/ . Figure 3 in
> that page shows its mixer conceptually: a 6AC7 high-transconductance
> pentode with incoming signal (RF) applied to its grid, and the local
> oscillator (LO) applied to its cathode. Especially if you get its
> regeneration under control with the use of an LO buffer amplifier as I
> describe there, the 6AC7 makes a good mixer for this purpose. Other
> video-amp pentodes would likely work as well or better, assuming they
> have a separate, groundable grid-3 connection.
>
> After many experiments with various 1.7-MHz detector types and
> configurations, I keep coming back to a tetrode Hartley regenerative
> detector synthesized from a 9A-based dual triode (generally a 5963 or
> 5814A, but I can throw a switch that cuts in resistance into the
> detector-heater line to allow me to use an 8CG7). To further improve
> this stage's ability to handle stronger signals before I must reduce
> the incoming signal with the set's RF GAIN control (a potentiometer
> between the set's antenna jack and the few-turns link on the 6AC7's
> grid-tank inductor), I reduced the detector grid leak from 1 megohm to
> 100 kilohms, and it makes quite a difference.
>
> Two experiences alerted me to a hidden feature of the set's 6AC7
> mixer. One was that as I plugged and unplugged the set's local
> oscillator (outboard for stability reasons, and so I can experiment
> with different signal sources), I'd hear a blast of noise and signals
> at the set's 1.7-MHz IF before the shield flanges of the LO cable
> connector made contact. Another was that the hiss level at the mixer
> output went up when I experimentally substituted an
> amplified-up-to-200-mW solid-state Kenwood VFO for my purpose-built
> solid-state (and now hollow-state) VFO (because the Class A LO amps I
> was using were hissy). Thinking both of these events over, I looked
> again at the mixer schematic and realized the obvious: For signals
> applied to its LO port (the cathode in Goodman's mixer arrangement),
> the 6AC7 operates as a grounded-grid amplifier--at 160 meters, with
> better grounding than first appearances might suggest, for the
> design's 80- or 40-meter parallel-tuned grid circuit will look like a
> pretty low impedance at 1.7 MHz.

>
> This suggested to me the way-fun extension of the set from "just an
> 80- and 40-meter band-imaging superhet" to that plus a 160-meter
> regen, with the 6AC7 stage acting as a grounded-grid RF amplifier
> during 160-m-regen service. All I'd have to do is add detector tank
> capacitance switching and add a front-panel variable to be able to
> switch the detector between fixed service at 1.7 MHz and tunable
> service from 1.8 MHz up (to 1.835 MHz, as it turns out in practice
> with the capacitor I used). (BTW, when your chassis/cabinet consists
> of a big rectangular cookie tin spade-bolted to a slightly, slightly
> wider and deeper cookie tin, these changes come easy: To start
> drilling a hole, push hard on a pushpin; to ream the hole, twistingly
> work in one jaw of a pair of needlenose pliers. _Sure_ it's
> mechanically flexy, but did I say something about the set's LO being
> outboard "for stability reasons"? :-D)
>
> Fueling my interest in this is the fact that the impedance looking
> into the 6AC7 cathode with the tube operating in grounded-grid should
> be on the order of 111 ohms--a good match for a 50-ohm antenna and/or
> filtering. (Source: Lankford-Smith in the 3rd edition of the Radiotron
> Designer's Handbook: A first approximation of the cathode impedance of
> a grounded-grid pentode amplifier is 1/transconductance [in siemens,
> as it turns out, making 1/0.009 for the 6AC7].) All I'd need to do is
> add switching to (1) ground the 6AC7's grid and (2) switch its antenna
> input connector and RF GAIN control into the 6AC7 cathode line. I
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> chromium switch here...")
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> Well. I haven't yet gotten to the off-putting business of building in
> switching of the RF GAIN control and antenna connector into the 6AC7
> cathode, but as I type this I'm listening to W1AW's code practice on
> 160 after having thrown the set's into BG/REGEN toggle to REGEN to
> switch out capacitance in the grid tank of the set's regenerative
> detector. And this is with no particular 160-meter filtering in the
> antenna line (which I'm feeding into the set's LO jack, which you will
> recall is connected to the 6AC7 cathode); I'm receiving 160 just with
> what leaks through my homemade balanced-line tuner with its 80-meter
> coil plugged in. (Before parking on 1AW I heard a QSO between K8HZK
> and K0CDJ. So this 1.7-MHz-detector-as-160-m-regen idea has legs.)
>
> Another, nearly sure-fire, idea occurs to me as a result of this
> 160-meter experiment, and it's one that Goodman would have approved
> of. If the 6AC7 cathode is a reasonable match to 50 ohms at 1.8 MHz,
> it will also be close enough to 50 oyhms at 3.5 and 7 MHz for me to
> try further modifying the 6AC7 mixer stage such with the set switched
> to superhet mode the LO goes to the 6AC7 grid and RF signals to be
> frequency-converted are applied to the 6AC7 cathode. When Goodman
> described this mixer in the early 1950s (actually in the late 1930s in
> slightly different form), the radio world had yet to generally move to
> the 50-ohm signal interface impedance level that we treat as a default

> today. Nowadays it's straightforward to build very good two- or
> three-tuned-circuit "50 ohm" filters capable of covering a ham band
> without tuning (but which filters, if you like, you can design to be a
> bit undercoupled [for sharper peaking], and then tune them
> simultaneously with a multiple-section variable capacitor--just like
> peaking the _grid_ of the 6AC7 with Goodman's original
> double-tuned-circuit filter (or my cheesy single-tuned-circuit
> stopgap). So I may well end up with the 6AC7 stage reconfigured to
> operate in grounded cathode for LO and grounded grid for RF.
>
> Best regards,
>
> Dave
> amateur radio W9VES
>
>

1147. Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

Yahoo group: glowbugradio
Date: 2012-01-23 11:57:04 UTC
From: davidpnewkirk
Topic: 1145 Message: 1147

--- In glowbugradio@yahoogroups.com, "davidpnewkirk" <david.newkirk@...> wrote:

> Another, nearly sure-fire, idea occurs to me as a result of this 160-meter experiment, and it's one that Goodman would have approved of. If the 6AC7 cathode is a reasonable match to 50 ohms at 1.8 MHz, it will also be close enough to 50 ohms at 3.5 and 7 MHz for me to try further modifying 6AC7 mixer stage such with the set switched to superhet mode the LO goes to the 6AC7 grid and RF signals to be frequency-converted are applied to the 6AC7 cathode.... So I may well end up with the 6AC7 stage reconfigured to operate in grounded cathode for LO and grounded grid for RF.

This arrangement works fine: The local oscillator (a 5.2- to 5.7-MHz version of George (W2YM) Hanchett's "Stability with Simplicity" VFO [12AU7A triode Colpitts driving the second 12AU7A triode as a cathode-follower buffer] from October 1960 _QST_) drives the 6AC7 grid, and signals from the antenna signals drive the 6AC7 cathode via switchable "50-ohm" bandpass filters built outboard in a skinny Snickers "heritage tin".

Best regards,

Dave
amateur radio W9VES

1148. AC ammeters for sale

Yahoo group: glowbugradio
Date: 2012-01-24 20:36:17 UTC
From: Lloyd Godsey
Topic: 1148 Message: 1148

Transformer driven AC ammeters.
1 each 0-5 amps
1 each 0-10 amps.
These have a transformer that goes in series with one side of the line.
DO NOT HOOK ACROSS THE LINE
The center meter has no transformer, however it is a 0-1.8 (approx) ac
voltmeter.
Add a series multiplier resistor (approx 5.6k) and have a line volt meter.
Rescale to suit.
Either ammeter and the "voltmeter" $15.00 plus postage
Either ammeter only $9.00 plus postage.
Take all 3 $22.00 plus postage.
Meters are .875" x 2.25"
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_7961.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_7962.jpg

0-5 amp AC ammeter NEW. 2.375 x 2.75 case
$5.00 plus postage
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_7964.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1149. Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

Yahoo group: glowbugradio
Date: 2012-01-26 11:17:34 UTC
From: davidpnewkirk
Topic: 1145 Message: 1149

--- In glowbugradio@yahoogroups.com, "davidpnewkirk" <david.newkirk@...> wrote:

>The local oscillator (a 5.2- to 5.7-MHz version of George (W2YM) Hanchett's "Stability with Simplicity" VFO (12AU7A triode Colpitts driving the second 12AU7A triode as a cathode-follower buffer] from October 1960 _QST_)

BTW, Jim (N2EY), you mentioned to me a few years back that this was the most stable tube VFO circuit you've tried. I had known of the circuit since first encountering it in reading in my dad's bound QSTs in 1968 or 9, but until building this instance had never experienced it before. You ain't kiddin'; with no special attention paid to temperature compensation--all the frequency-determining fixed caps are C0G/NP0s from that 5 buck disk-cap assortment you can get from Radio Shack--it stays within the same 50- to 70-Hz-wide window for hours, including its quick turn-on chirp. (Heater and plate supplies are separate here; I warm the tube for 30 s or so before applying plate power. One key thing: The tuning C, bandset trimmer, L, and fixed tank caps, including the grid blocking cap, are maybe 4 inches away from the tube socket in a little metal box, with two lengths of RG-187 coax connecting the tank/Colpitts divider/L in the box to the oscillating triode's grid and cathode.) In practice, I never notice whatever drift occurs because I'm tuning around.

Best regards,

Dave
amateur radio W9VES

1150. Re: [glowbugradio] Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

Yahoo group: glowbugradio
Date: 2012-01-27 13:07:53 UTC
From: astro boy
Topic: 1145 Message: 1150

Dave

Could you post a cct or working link to the cct that is accessible to non hams.. for the VFO..

If its not violating any copyrights .....

I could only find this one http://jlandrigan.com/files/McCoy%20VFO.pdf

I only found out the other day that VFO stablizers actually exist .....

http://www.cumbriadesigns.co.uk/x-lock.htm

Maybe useful for other Oscillators etc,, also ???? Just a thought ..

(im not affiliated in any way with this product)..

Im sure there would be other similar kits,, etc that would work also.... Google ??

Cheers all...

From: davidpnewkirk <david.newkirk@...>
To: glowbugradio@yahoogroups.com
Sent: Thursday, 26 January 2012 9:17 PM
Subject: [glowbugradio] Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

--- In glowbugradio@yahoogroups.com, "davidpnewkirk" <david.newkirk@...> wrote:

>The local oscillator (a 5.2- to 5.7-MHz version of George (W2YM) Hanchett's "Stability with Simplicity" VFO (12AU7A triode Colpitts driving the second 12AU7A triode as a cathode-follower buffer] from October 1960 _QST_)

BTW, Jim (N2EY), you mentioned to me a few years back that this was the most stable tube VFO circuit you've tried. I had known of the circuit since first encountering it in reading in my dad's bound QSTs in 1968 or 9, but until building this instance had never experienced it before. You ain't kiddin'; with no special attention paid to temperature compensation--all the frequency-determining fixed caps are C0G/NP0s from that 5 buck disk-cap assortment you can get from Radio Shack--it stays within the same 50- to 70-Hz-wide window for hours, including its quick turn-on chirp. (Heater and plate supplies are separate here; I warm the tube for 30 s or so before applying plate power. One key thing: The tuning C, bandset trimmer, L, and fixed tank caps, including the grid blocking cap, are maybe 4 inches away from the tube socket in a little metal box, with two lengths of RG-187 coax connecting the tank/Colpitts divider/L in the box to the oscillating triode's
grid and cathode.) In practice, I never notice whatever drift occurs because I'm tuning around.

Best regards,

Dave
amateur radio W9VES

1151. Re: [glowbugradio] Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

Yahoo group: glowbugradio
Date: 2012-01-27 21:46:51 UTC
From: N2EY@aol.com
Topic: 1145 Message: 1151

From: davidpnewkirk <david.newkirk@...>

To: glowbugradio@yahoogroups.com
Sent: Thursday, 26 January 2012 9:17 PM
Subject: [glowbugradio] Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

--- In glowbugradio@yahoogroups.com, "davidpnewkirk" <david.newkirk@...> wrote:

>The local oscillator (a 5.2- to 5.7-MHz version of George (W2YM) Hanchett's "Stability with Simplicity" VFO >(12AU7A triode Colpitts driving the second 12AU7A triode as a cathode-follower buffer] from October 1960 >_QST_)

See also "An Easy To Build VFO", about 1962, by W1ICP. Adds a 6AU6 buffer/doubler.

>BTW, Jim (N2EY), you mentioned to me a few years back that this was the most stable tube >VFO circuit you've tried. I had known of the circuit since first encountering it in reading in my
>dad's bound QSTs in 1968 or 9, but until building this instance had never experienced it before.
>You ain't kiddin'; with no special attention paid to temperature compensation--all the >frequency-determining fixed caps are C0G/NP0s from that 5 buck disk-cap assortment you can >get from Radio Shack--it stays within the same 50- to 70-Hz-wide window for hours, including its
>quick turn-on chirp. (Heater and plate supplies are separate here; I warm the tube for 30 s or so
>before applying plate power. One key thing: The tuning C, bandset trimmer, L, and fixed tank caps,
>including the grid blocking cap, are maybe 4 inches away from the tube socket in a little metal box,
>with two lengths of RG-187 coax connecting the tank/Colpitts divider/L in the box to the >oscillating triode's grid and cathode.) In practice, I never notice whatever drift occurs because
>I'm tuning around.

Yes, it's been in use in the Southgate Type 7 for over 18 years, and was in a copy of the "Easy To Build
VFO" here before that. I use dipped micas, brass-plate APCs and either the tuning cap from an ARC-5
TX ("Easy to Build") or a BC-221 (Type 7).

My theory is that the stability comes from:

1) The shunting C is enormous compared to the tube capacitances
2) The tube input is low (only 75 volts on the oscillator plate)
3) The 12AU7 has sturdy internal structure (I use the 12AU7A)

4) The feedback and other parameters are such that things like filament voltage variations don't affect it nearly so much as other circuits.

Of course a heat-segregated layout helps. In both the W2YM and W1ICP designs, the tube sticks out the back of the cabinet, as far from the tuned circuit as possible. The Type 7 uses a homemade box made of 1/8 inch aluminum plates bolted together with angle aluminum, and the tube is as far from the LC stuff as possible.

73 de Jim, N2EY

1152. Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

Yahoo group: glowbugradio
Date: 2012-01-28 14:37:17 UTC
From: davidpnewkirk
Topic: 1145 Message: 1152

--- In glowbugradio@yahoogroups.com, astro boy <ell_magic@...> wrote:

> Could you post a cct or working link to the cct that is accessible to non hams.. for the VFO..
>
> I could only find this one: http://jlandrigan.com/files/McCoy%20VFO.pdf

I can't post the circuit for two reasons: (1) I haven't drawn out the particulars of my version; the _QST_ schematic (or the schematic from the first edition (and maybe one or two more until the late 60s) of ARRL's _Understanding Amateur Radio_, which picked it up, and (2) my web pages at http://mysite.verizon.net/dpnewkirk are frozen, and I won't be able to edit or modify my pages until I move them to Comcast or another provider (and it'll be Comcast, as I work for NBCUniversal). (Minivent: Around August 1 last year, Verizon told all of us at our service tier that they'd be discontinuing FTP access for "security reasons" and require the use of their own infuriatingly lame WYSIWYG site eidtor (WHICH CANNOT IMPORT ONE'S CURRENT PAGES--oh, look, I shouted--endless apologies), and then told us that--magically--if we opted to pay 6 or 7 more bucks per month, we could have FTP access and do our own pages. (But wait--what did you say about FTP security as you took my FTP access away? Yeah, it's a force-them-to-upbuy crock.)

The PDF you found has all the details you need, as the core VFO circuit in there is Hanchett's. (Don't be put off by all that dreadful math and similar overdetail at the end; [Tonic: Bourne's "I Can't Be
Bothered" (http://mysite.verizon.net/dpnewkirk/ej/bourne_193207.htm)]). Looks to me like McCoy is edgily sweating his version's buffer triode with 300 V on its plate (while retaining the 560-ohm cathode bias R), though. In my circuit, I run the oscillator triode at 75 V regulated, and the buffer gets the supply's 155 V or so unregulated main rail. The 6AC7 mixer it drives hears to well below "band noise" at my bands of interest (80 and 40). Design done.

> I only found out the other day that VFO stablizers actually exist
>
> http://www.cumbriadesigns.co.uk/x-lock.htm

That module likely implements what's known as a "huff and puff" stabilizer--a technique around since the late 60s or early 70s at the latest. The technique trades random drift for keeping the oscillator it controls very slowly wiggling around closely spaced discrete lock points. I think the Ten-Tec Scout attempted a huff-and-puff scheme in software; that implementation had stability problems in the presence of significant ambient temperature changes. Sometimes simpler _is_ better.

The only digital mode that interests me is the one the elements of which I form with my fingers. (And voice modes interest me zero.) For transmission and reception in that mode, the very low drift of Hanchett's circuit (or any other circuit, tube or solid state, capable of the same relatively low drift), built even slightly well, is far more than sufficient stability. Do grok the Bourne article.

Best regards,

Dave
amateur radio W9VES

1153. Re: [glowbugradio] Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-meter regen

Yahoo group: glowbugradio
Date: 2012-01-29 06:16:56 UTC
From: Kenneth G. Gordon
Topic: 1145 Message: 1153

On 28 Jan 2012 at 14:37, davidpnewkirk wrote:

> The only digital mode that interests me is the one the elements of
> which I form with my fingers. (And voice modes interest me zero.) For
> transmission and reception in that mode, the very low drift of
> Hanchett's circuit (or any other circuit, tube or solid state, capable
> of the same relatively low drift), built even slightly well, is far
> more than sufficient stability. Do grok the Bourne article.

David:

You're my kind of ham...and I did grok the Bourne article, and agree with it.

Fun! :-)

Ken W7EKB

1154. Re: [glowbugradio] Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-met...

Yahoo group: glowbugradio
Date: 2012-01-29 12:38:49 UTC
From: N2EY@aol.com
Topic: 1154 Message: 1154

In a message dated 1/28/2012 4:06:43 P.M. Eastern Standard Time,
david.newkirk@... writes:

>Looks to me like McCoy is edgily sweating his version's buffer triode
with >300 V on its plate (while retaining the 560-ohm cathode bias R), though.

Look at the circuit again.

The power supply feeds a pair of 0A2s in series, producing 75 and 150
volts regulated. 75 volts runs the oscillator, 150 volts runs the 12AU7 buffer
and the 6AU6 buffer/multiplier. The unregulated B+ never leaves the power
supply chassis.

73 de Jim, N2EY

.

1155. Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-met...

Yahoo group: glowbugradio
Date: 2012-01-29 14:58:28 UTC
From: davidpnewkirk
Topic: 1154 Message: 1155

--- In glowbugradio@yahoogroups.com, N2EY@... wrote:
>
> In a message dated 1/28/2012 4:06:43 P.M. Eastern Standard Time,
> david.newkirk@... writes:
>
> >Looks to me like McCoy is edgily sweating his version's buffer triode
> with >300 V on its plate (while retaining the 560-ohm cathode bias R), though.
>
>
> Look at the circuit again.
>
> The power supply feeds a pair of 0A2s in series, producing 75 and 150
> volts regulated. 75 volts runs the oscillator, 150 volts runs the 12AU7 buffer
> and the 6AU6 buffer/multiplier. The unregulated B+ never leaves the power
> supply chassis.

I'll see that and raise you:

Argh, we're both wrong, but for different reasons:

1. The schematic shows two 0A2s in series. A 0A2 is a mini, improved VR150-30. So going by the schematic only--which is what I did, and I think you did, too--the upper regulated rail is 300 V, and the lower is 150.

2. Luckily for his readers, McCoy's text describes what he _actually_ did: "A 0A2 and 0C2 provide the regulated voltages for the oscillator, cathode follower, and multiplier. Regulated voltage is 225 V for the multiplier and cathode follower and 75 volts for the plate of the oscillator." (Like the use of the article _a_ before 0A2, as in "zero A2"; that's class. Too bad that class didn't extend to sufficient quality control on the schematic; old hands know at once that the 0C2 goes on the bottom, but more than a few of his plaid-flannel-shirt-and-glasses readers would have worried about that point even though logic tells us where the 75-V tube should go. Augmenting the text to refer the regulator tubes with their schematic V numbers ["A 0A2 (V4), and 0C2 (V5),"] would have helped. Disclaimer--or maybe more like a "claimer": As an assistant technical editor for _QST_ from early 1986 to late 1996, I made my share of gaffes.)

Two further points:

I'm guessing that McCoy upped the voltages to 225/75 from Hanchett's 150/75 after discovering that output from the 6AU6 multiplier, expecially on 40, was insufficient at 150/75. That's exactly what old hands on this list would have done. If that was the case, though, another thing worth trying first would have been to put an RFC in series with the buffer's cathode resistor (560 ohms), which otherwise is in ac parallel with the stage's output impedance (see Lankford-Smith in _Radiotron Designer's Handbook_ [3rd edition] for how to calculate it for a cathode follower). Doing this should somewhat increase the circuit's output voltage for a given set of oscillator/buffer/multiplier plate voltages by

removing the ac loading contributed by the 560 ohm resistor. One potential drawback to this change might be that the buffer might "buff" less at the resulting (somewhat) higher output Z; loading stuff down with R is one way we stabilize circuits by swamping impedance variations, especially those that occur as a result of keying.

Consistently overlooked in ARRL publications is the concept that in many cases a better way to feed an outboard VFO into an existing vacuum-tube-based crystal oscillator stage is to ac-ground the oscillator-tube grid and feed the VFO in--_low_ impedance drive, such as that provided by a cathode follower or link coupling, needed--at the oscillator _cathode_. I do this in my Summer40Winter80 (which uses the 6DT6-like half of a 12AL11 as its crystal oscillator) and have done so in several other homemade and modified commercial rigs over the past 15 years or so. See page 294 of the 11th edition _Radio Handbook_: "A better [VFO to crystal oscillator stage coupling] arrangement affording a much improved impedance match from the coaxial cable to the first tube is to operating this first stage as a grounded grid amplifier as shown in Figure 17....With this grounded-grid arrangement as shown no tendency toward self-oscillation [of the VFO-driven oscillator stage] will be experienced and improved output from the tube will be obtained either operating the stage as an amplifier or as a frequency multiplier."

This cathode-drive idea works especially well with high-transconductance video pentodes (6AC7/6AH6/6HS6, 6AG7/12BY7, and so on) used since the early 1950s as crystal oscillator tubes, as (per Lankford-Smith) the cathode impedance seen by the driving stage will be on the order of 1 divided by the tube's transconductance in siemens (mhos to us old schmoes) where the plate load impedance is reasonable high). For a grounded-grid 6AG7 or 12BY7 (transconductance, circa 0.011 S), that works out to a grounded-grid cathode impedance in the vicinity of 90 ohms. Extra good if the crystal oscillator tube has its grid 3 or beam-forming plates not hardwired to its cathode so we can ac-ground it/them for minimum cathode-to-plate coupling.

Best regards,

Dave
amateur radio W9VES

1156. Re: [glowbugradio] Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-met...

Yahoo group: glowbugradio
Date: 2012-01-30 00:35:38 UTC
From: N2EY@aol.com
Topic: 1154 Message: 1156

In a message dated 1/29/2012 9:58:35 A.M. Eastern Standard Time,
david.newkirk@... writes:

>Argh, we're both wrong, but for different reasons:

DOH! Right you are!

>1. The schematic shows two 0A2s in series. A 0A2 is a mini, improved
>VR150-30. So going by the schematic only--which is what I did, and I think
>you did, too--the upper regulated rail is 300 V, and the lower is 150.

Except I did the classic mistake of confusing the octals with the minis.
Muphry's law (not a typo) strikes!

A 0A3 is an octal 75 volt regulator. OB3 is 90 volts, 0C3 is 105 volts,
0D3 is 150 volts. The voltage increases with the letter.

A 0A2 is a miniaturel 150 volt regulator. 0B2 is 108 volts, 0C2 is 75
volts. The voltage decreaes with the letter!

Obviously I went the wrong way....

>2. Luckily for his readers, McCoy's text describes what he _actually_
did: >"A 0A2 and 0C2 provide the regulated voltages for the oscillator,
cathode >follower, and multiplier. Regulated voltage is 225 V for the multiplier
and >cathode follower and 75 volts for the plate of the oscillator." (Like
the use of >the article _a_ before 0A2, as in "zero A2"; that's class. Too
bad that class >didn't extend to sufficient quality control on the
schematic; old hands know >at once that the 0C2 goes on the bottom, but more than a
few of his plaid->flannel-shirt-and-glasses readers would have worried
about that point even >though logic tells us where the 75-V tube should go.
Augmenting the text to >refer the regulator tubes with their schematic V
numbers ["A 0A2 (V4), and >0C2 (V5),"] would have helped. Disclaimer--or maybe
more like a >"claimer": As an assistant technical editor for _QST_ from
early 1986 to >late 1996, I made my share of gaffes.)

Same here. Except I should know better because I actually built one of the
dern things!

>Two further points:

>I'm guessing that McCoy upped the voltages to 225/75 from Hanchett's
>150/75 after discovering that output from the 6AU6 multiplier, expecially on
>40, was insufficient at 150/75. That's exactly what old hands on this list
>would have done. If that was the case, though, another thing worth trying
>first would have been to put an RFC in series with the buffer's cathode

>resistor (560 ohms), which otherwise is in ac parallel with the stage's output >impedance (see Lankford-Smith in _Radiotron Designer's Handbook_ [3rd >edition] for how to calculate it for a cathode follower). Doing this should >somewhat increase the circuit's output voltage for a given set of >oscillator/buffer/multiplier plate voltages by removing the ac loading <contributed by the 560 ohm resistor. One potential drawback to this change >might be that the buffer might "buff" less at the resulting (somewhat) higher >output Z; loading stuff down with R is one way we stabilize circuits by >swamping impedance variati ons, especially those that occur as a result of >keying.

Agreed; the 6AU6 may just need a bit more plate voltage. btw, the W2YM version runs 75 and 180 volts, so the push to 225 isn't as much..

>Consistently overlooked in ARRL publications is the concept that in many >cases a better way to feed an outboard VFO into an existing vacuum-tube-<based crystal oscillator stage is to ac-ground the oscillator-tube grid and >feed the VFO in--_low_ impedance drive, such as that provided by a >cathode follower or link coupling, needed--at the oscillator _cathode_. I do >this in my Summer40Winter80 (which uses the 6DT6-like half of a 12AL11 >as its crystal oscillator) and have done so in several other homemade and >modified commercial rigs over the past 15 years or so. See page 294 of >the 11th edition _Radio Handbook_: "A better [VFO to crystal oscillator >stage coupling] arrangement affording a much improved impedance match >from the coaxial cable to the first tube is to operating this first stage as a >grounded grid amplifier as shown in Figure 17....With this grounded-grid >arrangement as shown no tendency toward self-oscillation [of the VFO->driven oscillator stage] will be experien ced and improved output from the >tube will be obtained either operating the stage as an amplifier or as a >frequency multiplier."

>This cathode-drive idea works especially well with high-transconductance >video pentodes (6AC7/6AH6/6HS6, 6AG7/12BY7, and so on) used since >the early 1950s as crystal oscillator tubes, as (per Lankford-Smith) the >cathode impedance seen by the driving stage will be on the order of 1 >divided by the tube's transconductance in siemens (mhos to us old >schmoes) where the plate load impedance is reasonable high). For a >grounded-grid 6AG7 or 12BY7 (transconductance, circa 0.011 S), that >works out to a grounded-grid cathode impedance in the vicinity of 90 >ohms. Extra good if the crystal oscillator tube has its grid 3 or beam->forming plates not hardwired to its cathode so we can ac-ground it/them for >minimum cathode-to-plate coupling.

Haven't tried it but it makes sense. The main advantage of the grid driven method is that, for the grid-plate oscillator, all you do is add a 0.1uF bypass from cathode to ground, and feed the VFO output into the grid. Never had a problem with it, in a variety of transmitters. The coax doesn't really act like a transmission line in the classic sense; rather, it's a long shunt capacitor, which means it has to be short and use low-C coax. In a situation such as the W1ICP VFO, with its tuned-circuit output, the cable capacitance is across the tuned circuit directly, and provision must be made for it.

With link- or cathode-follower output, those effects are much much less. However, will a grounded-grid 6AG7 or similar tube multiply well, particularly when tripling or quadrupling?

73 de Jim, N2EY

1157. Re: Notes on Goodman's 6AC7 mixer and a soon-to-be 160-met...

Yahoo group: glowbugradio
Date: 2012-01-31 01:59:13 UTC
From: davidpnewkirk
Topic: 1154 Message: 1157

--- In glowbugradio@yahoogroups.com, Jim, N2EY, wrote:

> >This cathode-drive idea works especially well with high-transconductance
> >video pentodes (6AC7/6AH6/6HS6, 6AG7/12BY7, and so on) used since
> > the early 1950s as crystal oscillator tubes

> Haven't tried it but it makes sense. The main advantage of the grid driven
> method is that, for the grid-plate oscillator, all you do is add a 0.1uF
> bypass from cathode to ground, and feed the VFO output into the grid. Never
> had a problem with it, in a variety of transmitters. The coax doesn't
> really act like a transmission line in the classic sense; rather, it's a long
> shunt capacitor, which means it has to be short and use low-C coax. In a
> situation such as the W1ICP VFO, with its tuned-circuit output, the cable
> capacitance is across the tuned circuit directly, and provision must be made for
> it.
>
> With link- or cathode-follower output, those effects are much much less.
> However, will a grounded-grid 6AG7 or similar tube multiply well,
> particularly when tripling or quadrupling?

A couple of things:

I disserved us a bit by not including enough context for the _Radio Handbook_ snippet. In the more-complete writeup the coax was carrying the signal from a low-impedance link coupled to a parallel tuned circuit in the plate of the VFO buffer (a 6AG7, I think), so the idea of terminating the cable's crystal-oscillator-stage end in the oscillator-tube cathode (low Z) rather than the oscillator tube grid (high Z, even with the grid leak R in parallel to ground) is a good one. You're right, though; especially at lower frequencies, you can extend a parallel tuned circuit to, say, a receiver or transmitter's front panel for trimming/tuning, in which service the coax just acts as part of the trimming C across the tank to which the cable connects. This is what I do to physically/thermally separate the tank and Colpitts voltage-divider caps from the tube socket in my version of Hanchett's VFO; I also do it to implement a front-panel PITCH control for the 455-kHz regenerative detector--far back at the rear edge of the chassis--in my modified Allied A-2516 receiver.

My experience with frequency-multiplying in a crystal-oscillator tube connected in grounded-grid is that it works just fine. Barring cathode-capacitance-to-ground/heater effects--not likely to be much of a problem at 3.5 and 7 MHz, and if I wanted to be really fastidious I could use a heater choke or chokes to keep the heater about RF ground--driving a tube's grid is a relative thing: You can ground the cathode and wiggle the grid around zero (or around the dc bias value set by grid bias and/or cathode bias R), or you can ground the grid and wiggle the cathode around zero (or around the dc bias value set by grid bias and/or cathode bias R). It's the differential between grid and cathode that drives the tube.

Quite soon I'll be putting up a posting that proposes details of a three-stage tube transmitter topology that takes advantage of this grounded-grid-driver idea to make a transmitter that allows the plate circuits of all three stages to be tuned to the same frequency, while requiring that only the final amplifier be neutralized. Only the Drake 2-NT comes to mind as a commercial design that includes neutralization in its driver _and_ final stages in recognition of the reality that a three-stage rig's driver may also self-oscillate if its plate and grid are tuned to roughly the same frequency. My approach operates the driver in grounded-grid to allow the oscillator plate to be tuned without requiring neutralization of the driver.

Best regards,

Dave
amateur radio W9VES

1158. Heath HW-16's

Yahoo group: glowbugradio
Date: 2012-02-01 18:56:37 UTC
From: Lloyd Godsey
Topic: 1158 Message: 1158

Several years ago when my eyesight was still good I purchased 2 of these at an estate sale.
They are very clean.
I am not going to turn them on because they have not been recapped.
I have a Hayseed recap kit for each one. (value +/- $35.00 with postage)
Anyone want to play with them?
$80.00 each plus shipping. Cap kit included.
Pix available on request.

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1159. Re: [glowbugradio] Parts needed.

Yahoo group: glowbugradio
Date: 2012-02-01 21:14:34 UTC
From: Kenneth G. Gordon
Topic: 1145 Message: 1159

Anyone:

I am badly in need of two of the smaller ceramic feed-throughs: those which would fit into a
hole about 3/8" in diameter.

I need these to install neutralization in 2 SB-200 amps.

I only have the very large feed-throughs which will not fit in the available space.

Anyone?

Ken W7EKB

1160. F/S

Yahoo group: glowbugradio
Date: 2012-02-07 20:49:48 UTC
From: Lloyd Godsey
Topic: 1160 Message: 1160

Just found the remains of a busted reel of zener diodes.
22v 500 mw
At least 3-4000
Rolled up after spool broke.
$5.00 plus postage for all
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_7997.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1161. More stuph

Yahoo group: glowbugradio
Date: 2012-02-07 22:02:58 UTC
From: Lloyd Godsey
Topic: 1161 Message: 1161

Found this neat Simpson test box.
It is for setting up the old sonic remote TV remotes.
Among other things contains crystals for 76.6 kc, 78 kc, 82 kc and 83.6 kc.
Crystal freq is halved to cal sonic remotes.
Has paperwork, parts list and schematic with it.
$10.00 plus shipping
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_7995.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_7996.jpg
Thanx

Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1162. Re: [glowbugradio] F/S

Yahoo group: glowbugradio
Date: 2012-02-07 23:50:26 UTC
From: Jim
Topic: 1160 Message: 1162

Lloyd,

I can't use anywhere near 3000. Any chance you'd like to break this lot up -- or, if you have a buyer already, if they'd break it up -- or, if nobody has claimed it yet but if some of you would like a few dozen or few hundred pieces for cheap,

I'LL TAKE 'EM!! I can take a chance for $5 plus a medium-sized USPS Priority box.

Please reply to the group if you want to get these from me for a penny or so each (quantity discount available!) or if you want to dole them out a hundred at a time.

73
Jim N6OTQ

>_____
> From: Lloyd Godsey <kk7iz@...>
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, February 7, 2012 2:49 PM
>Subject: [glowbugradio] F/S
>
>Just found the remains of a busted reel of zener diodes.
>22v 500 mw
>At least 3-4000
>Rolled up after spool broke.
>$5.00 plus postage for all
>See at
>http://img.photobucket.com/albums/v618/skyrider28/IMG_7997.jpg
>
>Thanx
>Lloyd Godsey KK7IZ
>kk7iz@...
>480-620-7145
>http://www.lloydsdipsydumpster.com/
>http://antiqueradioarchives.com/
>
>
>

1163. Re: [glowbugradio] F/S

Yahoo group: glowbugradio
Date: 2012-02-09 07:44:37 UTC
From: astro boy
Topic: 1160 Message: 1163

Sounds like fun,, i could go a few dozen also....

I suppose one could use them in parallel also
for more power handling. ??

Do you send over seas ???

Cheers..

From: Jim <n6otq@...>
To: "glowbugradio@yahoogroups.com" <glowbugradio@yahoogroups.com>
Sent: Wednesday, 8 February 2012 9:50 AM
Subject: Re: [glowbugradio] F/S

Lloyd,

I can't use anywhere near 3000. Any chance you'd like to break this lot up -- or, if you have a buyer already, if they'd break it up -- or, if nobody has claimed it yet but if some of you would like a few dozen or few hundred pieces for cheap,

I'LL TAKE 'EM!! I can take a chance for $5 plus a medium-sized USPS Priority box.

Please reply to the group if you want to get these from me for a penny or so each (quantity discount available!) or if you want to dole them out a hundred at a time.

73
Jim N6OTQ

>---
> From: Lloyd Godsey <kk7iz@...>
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, February 7, 2012 2:49 PM
>Subject: [glowbugradio] F/S
>
>Just found the remains of a busted reel of zener diodes.
>22v 500 mw
>At least 3-4000
>Rolled up after spool broke.
>$5.00 plus postage for all
>See at
>http://img.photobucket.com/albums/v618/skyrider28/IMG_7997.jpg
>
>Thanx
>Lloyd Godsey KK7IZ
>kk7iz@...
>480-620-7145

>http://www.lloydsdipsydumpster.com/
>http://antiqueradioarchives.com/
>
>
>

1164. Re: [glowbugradio] F/S

Yahoo group: glowbugradio
Date: 2012-02-09 13:50:03 UTC
From: Jim
Topic: 1160 Message: 1164

Hi all

Lloyd was kind enough to sell these zeners to me, so I'll post to the group when they arrive. Remember that I paid $5 for a few thousand of these, so postage is the biggest cost and the envelope is the second biggest.

Generally speaking, I have no issues sending overseas.

73
Jim N6OTQ

>_____
> From: astro boy <ell_magic@yahoo.com.au>
>To: "glowbugradio@yahoogroups.com" <glowbugradio@yahoogroups.com>
>Sent: Thursday, February 9, 2012 1:44 AM
>Subject: Re: [glowbugradio] F/S
>
>
>
>
>
>
>Sounds like fun,, i could go a few dozen also....
>
>
>I suppose one could use them in parallel also
>for more power handling. ??
>
>Do you send over seas ???
>
>Cheers..
>
>
>_____
> From: Jim <n6otq@...>
>To: "glowbugradio@yahoogroups.com" <glowbugradio@yahoogroups.com>
>Sent: Wednesday, 8 February 2012 9:50 AM
>Subject: Re: [glowbugradio] F/S
>
>
>
>Lloyd,
>
>
>I can't use anywhere near 3000. Any chance you'd like to break this lot up -- or, if you have a buyer already, if they'd break it up -- or, if nobody has claimed it yet but if some

of you would like a few dozen or few hundred pieces for cheap,
>
>
>I'LL TAKE 'EM!! I can take a chance for $5 plus a medium-sized USPS Priority box.
>
>
>Please reply to the group if you want to get these from me for a penny or so each
(quantity discount available!) or if you want to dole them out a hundred at a time.
>
>
>73
>Jim N6OTQ
>
>
>
>>_________________________________
>> From: Lloyd Godsey <kk7iz@...>
>>To: glowbugradio@yahoogroups.com
>>Sent: Tuesday, February 7, 2012 2:49 PM
>>Subject: [glowbugradio] F/S
>>
>>Just found the remains of a busted reel of zener diodes.
>>22v 500 mw
>>At least 3-4000
>>Rolled up after spool broke.
>>$5.00 plus postage for all
>>See at
>>http://img.photobucket.com/albums/v618/skyrider28/IMG_7997.jpg
>>
>>Thanx
>>Lloyd Godsey KK7IZ
>>kk7iz@cox.net
>>480-620-7145
>>http://www.lloydsdipsydumpster.com/
>>http://antiqueradioarchives.com/

1165. Millen coils F/S

Yahoo group: glowbugradio
Date: 2012-02-10 18:54:39 UTC
From: Lloyd Godsey
Topic: 1165 Message: 1165

Partial set of coils for Millen 90651 grid dip oscillator
Missing are
"C" coil 6.4 -> 16 mhz
"G" coil 140 -> 400 mhz
5 coils in Millen holder
$10.00 plus postage

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1166. Rotary inductor for sale

Yahoo group: glowbugradio
Date: 2012-02-10 18:59:13 UTC
From: Lloyd Godsey
Topic: 1166 Message: 1166

Barker & Williamson rotary inductor
13.8 uh per my AADE ll meter
$10.00 plus postage

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1167. Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-10 19:01:01 UTC
From: Lloyd Godsey
Topic: 1167 Message: 1167

Barker & Williamson rotary inductor
13.8 uh per my AADE ll meter
$10.00 plus postage
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_8006.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_8007.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1168. Re: [glowbugradio] Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-10 20:26:49 UTC
From: Carl
Topic: 1167 Message: 1168

I'll take the rotary Lloyd, looks like the same ceramics used for the tank circuit.

Carl
KM1H

----- Original Message -----
From: Lloyd Godsey
To: glowbugradio@yahoogroups.com
Sent: Friday, February 10, 2012 2:01 PM
Subject: [glowbugradio] Rotary inductor pix

Barker & Williamson rotary inductor
13.8 uh per my AADE ll meter
$10.00 plus postage
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_8006.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_8007.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4801 - Release Date: 02/10/12

1169. RE: [glowbugradio] Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-10 20:51:43 UTC
From: Lloyd Godsey
Topic: 1167 Message: 1169

Need your zip for postage

Thanx
Lloyd Godsey KK7IZ
<mailto:kk7iz@...> kk7iz@...

480-620-7145
<http://www.lloydsdipsydumpster.com/> http://www.lloydsdipsydumpster.com/
<http://antiqueradioarchives.com/> http://antiqueradioarchives.com/

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Friday, February 10, 2012 1:27 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Rotary inductor pix

I'll take the rotary Lloyd, looks like the same ceramics used for the tank circuit.

Carl

KM1H

----- Original Message -----

From: Lloyd Godsey <mailto:kk7iz@...>

To: glowbugradio@yahoogroups.com

Sent: Friday, February 10, 2012 2:01 PM

Subject: [glowbugradio] Rotary inductor pix

Barker & Williamson rotary inductor
13.8 uh per my AADE ll meter
$10.00 plus postage
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_8006.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_8007.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4801 - Release Date: 02/10/12

1170. RE: [glowbugradio] Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-10 20:55:29 UTC
From: Lloyd Godsey
Topic: 1167 Message: 1170

Better yet send $11.35 for a medium flat rape box and I will fill it up with electronic excrement.

Total $21.35

Contents priceless

Thanx
Lloyd Godsey KK7IZ
<mailto:kk7iz@...> kk7iz@...

480-620-7145
<http://www.lloydsdipsydumpster.com/> http://www.lloydsdipsydumpster.com/
<http://antiqueradioarchives.com/> http://antiqueradioarchives.com/

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
Sent: Friday, February 10, 2012 1:27 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Rotary inductor pix

I'll take the rotary Lloyd, looks like the same ceramics used for the tank circuit.

Carl

KM1H

----- Original Message -----

From: Lloyd Godsey <mailto:kk7iz@...>

To: glowbugradio@yahoogroups.com

Sent: Friday, February 10, 2012 2:01 PM

Subject: [glowbugradio] Rotary inductor pix

Barker & Williamson rotary inductor
13.8 uh per my AADE ll meter
$10.00 plus postage
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_8006.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_8007.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145

http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4801 - Release Date: 02/10/12

1171. RE: [glowbugradio] Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-11 02:28:50 UTC
From: Bill Cotter
Topic: 1167 Message: 1171

Looks like what Lloyd is offering Carl is like
one of the "Grab Bags" we would see at hamfests
during the sixtie's for a buck. You never knew
what was inside, but you knew you had to have whatever it was!

n4lg

At 03:55 PM 2/10/2012, you wrote:
>
>
>Better yet send $11.35 for a medium flat rape
>box and I will fill it up with electronic excrement.
>
>Total $21.35
>
>Contents priceless
>
>
>
>Thanx
>Lloyd Godsey KK7IZ
><mailto:kk7iz@...>kk7iz@...
>
>480-620-7145
>http://www.lloydsdipsydumpster.com/
><http://antiqueradioarchives.com/>http://antiqueradioarchives.com/
>
>
>
>From: glowbugradio@yahoogroups.com
>[mailto:glowbugradio@yahoogroups.com] On Behalf Of Carl
>Sent: Friday, February 10, 2012 1:27 PM
>To: glowbugradio@yahoogroups.com
>Subject: Re: [glowbugradio] Rotary inductor pix
>
>
>
>
>
>I'll take the rotary Lloyd, looks like the same
>ceramics used for the tank circuit.
>
>
>
>Carl

>
>KM1H
>
>
>
>
>
>----- Original Message -----
>
>From: <mailto:kk7iz@...>Lloyd Godsey
>
>To: glowbugradio@yahoogroups.com
>
>

1172. RE: [glowbugradio] Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-11 03:48:54 UTC
From: Lloyd Godsey
Topic: 1167 Message: 1172

Life is like a walk in the barnyard barefoot after dark

Ya don' no what'cha gonna step in

Thanx
Lloyd Godsey KK7IZ
<mailto:kk7iz@...> kk7iz@...

480-620-7145
<http://www.lloydsdipsydumpster.com/> http://www.lloydsdipsydumpster.com/
<http://antiqueradioarchives.com/> http://antiqueradioarchives.com/

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Bill Cotter
Sent: Friday, February 10, 2012 7:29 PM
To: glowbugradio@yahoogroups.com
Subject: RE: [glowbugradio] Rotary inductor pix

Looks like what Lloyd is offering Carl is like
one of the "Grab Bags" we would see at hamfests
during the sixtie's for a buck. You never knew
what was inside, but you knew you had to have whatever it was!

n4lg

At 03:55 PM 2/10/2012, you wrote:
>
>
>Better yet send $11.35 for a medium flat rape
>box and I will fill it up with electronic excrement.
>
>Total $21.35
>
>Contents priceless
>
>
>
>Thanx
>Lloyd Godsey KK7IZ
><mailto:kk7iz@... <mailto:kk7iz%40cox.net> >kk7iz@...
<mailto:kk7iz%40cox.net>
>
>480-620-7145
>http://www.lloydsdipsydumpster.com/
><http://antiqueradioarchives.com/>http://antiqueradioarchives.com/
>
>

>
>From: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>

>[mailto:glowbugradio@yahoogroups.com
<mailto:glowbugradio%40yahoogroups.com>] On Behalf Of Carl
>Sent: Friday, February 10, 2012 1:27 PM
>To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
>Subject: Re: [glowbugradio] Rotary inductor pix
>
>
>
>
>
>I'll take the rotary Lloyd, looks like the same
>ceramics used for the tank circuit.
>
>
>
>Carl
>
>KM1H
>
>
>
>
>
>----- Original Message -----
>
>From: <mailto:kk7iz@... <mailto:kk7iz%40cox.net> >Lloyd Godsey
>
>To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
>
>

1173. Vertical deflection amplifier tubes as finals

Yahoo group: glowbugradio
Date: 2012-02-11 16:11:01 UTC
From: davidpnewkirk
Topic: 1173 Message: 1173

For all the right reasons, horizontal deflection amplifier tubes make great Class C finals. But for those who like fiddling around at output powers of 20 W and less, _vertical_ deflection amp tubes work just as well, and are generally less sought after by radio and audio hobbyists alike--which is to "cheaper." Two top candidates are the 6JB5/6JC5/6HE5 (plate dissipation, 15 W; transconductance, 4.1 mS; average cathode current in vertical deflection service, 75 mA) and the 6JA5 and 10JA5 (19 W, 10.5 mS, 95 mA). These are single-ended Compactrons, with their beam-forming plates hardwired to their cathodes. _And_ they have the same pinout, er, basing, which makes experimenting across both general types extra easy.

I got into trying a vertical-deflection amp final in an unusual way. The death of a relative in 1998 ultimately led to a house sale, preceded by cleanout of the house. There was no time to generally parts-pick the long-unused circa-1970 console TV in the basement, but I did have the presence of mind to yank out all of its tubes and distribute them across my coat pockets to minimize collisions. The pulls included a 6JC6, 12HL7, and a 6JB5/6HE5. A few months later, the Masterson Memorial transmitter was born, with the 6JC6 serving as crystal oscillator, the 12HL7 as driver, and the 6JB5/6HE5 as a neutralized Class C final. With the plate supply I had on hand, the MM, built into an aluminum 8 by 8 by 2 Wilton cake pan, put out 10 to 12 W at 3.5 through 10 MHz.

At the moment, my Summer40Winter80 transmitter/receiver, the final amplifier in which was originally a 1631 (12.6 V metal 6L6), is now using a 6JB5/6HE5 after months of fun with a 10JA5. With no attention whatsoever paid to reoptimizing the output network from what was in place for the 1631 and 10JA5, the 6JB5/6HE5 (which is stable even though I haven't yet retweaked neutralization) puts out 11 to 12 W or so--plenty of power for the regional 80- and 40-meter contacts that constitute my on-the-air ham radio fun.

Best regards,

Dave
amateur radio W9VES

1174. Re: [glowbugradio] Vertical deflection amplifier tubes as finals

Yahoo group: glowbugradio
Date: 2012-02-11 19:43:28 UTC
From: Carl
Topic: 1173 Message: 1174

They also make decent AB1 linears or Class C right into 6M as well as AM modulators and drivers.

I havent tried any connected as triode configurations yet but there are possibilities.

Carl
KM1H

----- Original Message -----
From: davidpnewkirk
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 11, 2012 11:11 AM
Subject: [glowbugradio] Vertical deflection amplifier tubes as finals

For all the right reasons, horizontal deflection amplifier tubes make great Class C finals. But for those who like fiddling around at output powers of 20 W and less, _vertical_ deflection amp tubes work just as well, and are generally less sought after by radio and audio hobbyists alike--which is to "cheaper." Two top candidates are the 6JB5/6JC5/6HE5 (plate dissipation, 15 W; transconductance, 4.1 mS; average cathode current in vertical deflection service, 75 mA) and the 6JA5 and 10JA5 (19 W, 10.5 mS, 95 mA). These are single-ended Compactrons, with their beam-forming plates hardwired to their cathodes. _And_ they have the same pinout, er, basing, which makes experimenting across both general types extra easy.

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At the moment, my Summer40Winter80 transmitter/receiver, the final amplifier in which was originally a 1631 (12.6 V metal 6L6), is now using a 6JB5/6HE5 after months of fun with a 10JA5. With no attention whatsoever paid to reoptimizing the output network from what was in place for the 1631 and 10JA5, the 6JB5/6HE5 (which is stable even though I haven't yet retweaked neutralization) puts out 11 to 12 W or so--plenty of power for the regional 80- and 40-meter contacts that constitute my on-the-air ham radio fun.

Best regards,

Dave
amateur radio W9VES

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4803 - Release Date: 02/11/12

1175. Re: [glowbugradio] Heath HW-16's

Yahoo group: glowbugradio
Date: 2012-02-12 04:16:43 UTC
From: Jeramy Ross
Topic: 1158 Message: 1175

Good evening Lloyd,

Do you have one of the HW-16's still available?

Thanks and 73,
Jeramy W5XTL

On Wed, Feb 1, 2012 at 12:56 PM, Lloyd Godsey <kk7iz@...> wrote:
> Several years ago when my eyesight was still good I purchased 2 of these at
> an estate sale.
> They are very clean.
> I am not going to turn them on because they have not been recapped.
> I have a Hayseed recap kit for each one. (value +/- $35.00 with postage)
> Anyone want to play with them?
> $80.00 each plus shipping. Cap kit included.
> Pix available on request.
>
> Thanx
> Lloyd Godsey KK7IZ
> kk7iz@...
> 480-620-7145
> http://www.lloydsdipsydumpster.com/
> http://antiqueradioarchives.com/
>
>
>
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> ------------------------------------
>
> Yahoo! Groups Links
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>
>

1176. RE: [glowbugradio] Heath HW-16's

Yahoo group: glowbugradio
Date: 2012-02-12 05:40:40 UTC
From: Lloyd Godsey
Topic: 1158 Message: 1176

Sorry, no

Thanx
Lloyd Godsey KK7IZ
<mailto:kk7iz@...> kk7iz@...

480-620-7145
<http://www.lloydsdipsydumpster.com/> http://www.lloydsdipsydumpster.com/
<http://antiqueradioarchives.com/> http://antiqueradioarchives.com/

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Jeramy Ross
Sent: Saturday, February 11, 2012 9:17 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Heath HW-16's

Good evening Lloyd,

Do you have one of the HW-16's still available?

Thanks and 73,
Jeramy W5XTL

On Wed, Feb 1, 2012 at 12:56 PM, Lloyd Godsey <kk7iz@...
<mailto:kk7iz%40cox.net> > wrote:
> Several years ago when my eyesight was still good I purchased 2 of these at
> an estate sale.
> They are very clean.
> I am not going to turn them on because they have not been recapped.
> I have a Hayseed recap kit for each one. (value +/- $35.00 with postage)
> Anyone want to play with them?
> $80.00 each plus shipping. Cap kit included.
> Pix available on request.
>
> Thanx
> Lloyd Godsey KK7IZ
> kk7iz@... <mailto:kk7iz%40cox.net>
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> http://www.lloydsdipsydumpster.com/
> http://antiqueradioarchives.com/
>
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>

> Yahoo! Groups Links
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>
>

1177. Re: [glowbugradio] Heath HW-16's

Yahoo group: glowbugradio
Date: 2012-02-12 06:20:38 UTC
From: Jeramy Ross
Topic: 1158 Message: 1177

Shoot... Ok, thanks.

73,
Jeramy W5XTL

On Sat, Feb 11, 2012 at 11:40 PM, Lloyd Godsey <kk7iz@...> wrote:

>
>
> Sorry, no****
>
> ** **
>
> Thanx
> Lloyd Godsey KK7IZ
> kk7iz@... ****
>
> 480-620-7145
> http://www.lloydsdipsydumpster.com/
> http://antiqueradioarchives.com/****
>
> ** **
>
> *From:* glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com]
> *On Behalf Of *Jeramy Ross
> *Sent:* Saturday, February 11, 2012 9:17 PM
> *To:* glowbugradio@yahoogroups.com
> *Subject:* Re: [glowbugradio] Heath HW-16's****
>
> ** **
>
> ****
>
> Good evening Lloyd,
>
> Do you have one of the HW-16's still available?
>
> Thanks and 73,
> Jeramy W5XTL
>
> On Wed, Feb 1, 2012 at 12:56 PM, Lloyd Godsey <kk7iz@...> wrote:
> > Several years ago when my eyesight was still good I purchased 2 of these
> at
> > an estate sale.
> > They are very clean.
> > I am not going to turn them on because they have not been recapped.

> > I have a Hayseed recap kit for each one. (value +/- $35.00 with postage)
> > Anyone want to play with them?
> > $80.00 each plus shipping. Cap kit included.
> > Pix available on request.
> >
> > Thanx
> > Lloyd Godsey KK7IZ
> > kk7iz@...
> > 480-620-7145
> > http://www.lloydsdipsydumpster.com/
> > http://antiqueradioarchives.com/
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> >
> > Yahoo! Groups Links
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>

1178. Vibroplex

Yahoo group: glowbugradio
Date: 2012-02-12 18:31:13 UTC
From: Lloyd Godsey
Topic: 1178 Message: 1178

Any Vibroplex- bugs- keys reflectors around?

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1179. Re: [glowbugradio] Vibroplex

Yahoo group: glowbugradio
Date: 2012-02-12 18:56:19 UTC
From: hammadv@comcast.net
Topic: 1178 Message: 1179

Hi lloyd,

I have a Vibroplex "bug" and a Viproplex Iambic key, both in very good conditioin. I do not use either of these and they have not been used for 20+ years. I can get some photos and specific details if you are still looking.

Kurt K9ZWY

----- Original Message -----
From: "Lloyd Godsey" <kk7iz@...>
To: glowbugradio@yahoogroups.com
Sent: Sunday, February 12, 2012 12:31:13 PM
Subject: [glowbugradio] Vibroplex

Any Vibroplex- bugs- keys reflectors around?

Thanx
Lloyd Godsey KK7IZ
kk7iz@...t
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1180. Early results with grounded-grid drivers

Yahoo group: glowbugradio
Date: 2012-02-14 00:24:51 UTC
From: davidpnewkirk
Topic: 1180 Message: 1180

I've just completed the first round of experiments with a modified Hallicrafters HT-40 the uses the following modified RF lineup:

6CL6 grounded-grid amplifier #1: The outboard driving signal arrives via coaxial cable and is ac-coupled to the cathode of this stage. A 25-k pot in the screen circuit of this stage adjusts its gain, and hence the drive applied to the next stage and the final amplifier stage beyond it. The plate resonator of 6CL6 #1 is a 10-uH inductor (42 turns on a T68-2 powdered-iron toroidal core) with a 3-turn link for driving the cathode of the next stage. At 40 meters, a 50-pF air trimmer adjusts this circuit to resonance; with that adjusted, switching in a 150-pF fixed capacitor retunes it to f/2 for 80-meter operation. There's no need to adjust this circuit across my frequencies of interest at 80 and 40--generally 3545 to 3565 kHz and 7100 to 7120 kHz. Considering how much extra gain the strip affords, it's probably good for the entire CW portion of both bands. (This stage could easily be equipped with switching to allow its operation as a grounded-grid VFO/exciter amplifier or a grid-plate crystal oscillator.)

6CL6 grounded-grid amplifier #2: The link-driven low-impedance twisted-pair line from the first 6CL6 cathode-drives this second grounded-grid stage. Its plate dc feed is in parallel with its output tank, the "ground" end of which tank is above ac ground via a 300-pF capacitor for the purpose of implementing capacitive-bridge-neutralization of the set's 6DQ5 final. A front-panel 140-pF variable, its rotor spaced from the chassis by means of a plastic plate fastened across an overlarge shaft hole, tunes this circuit to resonance at 80 and 40.

Both 6CL6s are equipped with 100-ohm screen-grid stoppers just in case they might want to exhibit screen-negative-resistance parasitic oscillations. Even with the stoppers keeping the 6CL6s' screens a bit above ac ground, the tubes show no signs of oscillation when keyed in the absence of a driving signal.

6DQ5 final amplifier: Optimum grid current for maximum output (40 W at 40 m; 45 W at 80 meters) at the outboard-supplied key-down plate voltage at which this tube runs (410) is 1.8 to 2.2 mA as indicated by the set's jumpy 0-5 milliammeter.

The exciter for this transmitter is my Crystalizer (http://mysite.verizon.net/dpnewkirk/ej/crystalizer/), the output of which is 200 to 230 mW or so. (If I need to double to 40 from an 80-meter rock, the Crystalizer does it; it can also divide by 2, 3, 4, or 5. So so far I only used the 6CL6-6CL6 pair "straight through.") That much drive turns out to be way too much for this two-6CL6 strip, resulting (at first) in saturation of one or both of the tubes at 80 meters and nearly zero output on that band! So I quickly added a 6-dB pi attenuator in the RF line to the cathode of 6CL6 #1, and that works perfectly: I can now adjust 6CL6 #1's screen control to provide a 6DQ5 grid current of over 4 mA on either band, and well below 1 mA minimum on each band--not bad for just guessing at initially setting the control's range with a 1.8-k resistor from its lower-voltage end terminal to chassis and a 100-k resistor from its higher-voltage end terminal to the set's 290 V lower-voltage plate rail.

An observation: For multiple reasons, hamdom generally became accustomed to using way-too-hefty driver tubes to drive final amplifiers the likes of 6146s and smaller tubes. Even 6CL6s (plate dissipation, 7.5 W) are overkill, as would be 6AG7s; almost certainly, 6AH6/6AC7-class small video pentodes (plate dissipation in the 3-W range) with transconductances of 9 to 16 mS (6JC6) would do as well. Even operating Class C, sweep tubes, 807s and 6146s need only a fraction of a watt of driving power. So in my Summer40Winter80 I've replaced its 12AL11 (sort of a 6DT6-6AQ5 pairing in one envelope) with a 6BN11 (from its specs, almost exactly like two 6EW6s in one envelope), and it's working just fine with no other modifications...yet.

BTW, as I generally do multistage tube rigs at W9VES, I cathode key the 6CL6s and 6DQ5 with an IRF840-power-MOSFET outboard keyer/shaping box, the 6CL6 cathodes keyed by one IRF840 and the 6DQ5 cathode keyed by another. When it's time to use the Summer40Winter80, I just do some replugging and I'm in business with the same waveshaping applied to the S40W80.

Best regards,

Dave
amateur radio W9VES

1181. Re: [glowbugradio] Early results with grounded-grid drivers

Yahoo group: glowbugradio
Date: 2012-02-14 02:18:27 UTC
From: Carl
Topic: 1180 Message: 1181

----- Original Message -----
From: davidpnewkirk
To: glowbugradio@yahoogroups.com
Sent: Monday, February 13, 2012 7:24 PM
Subject: [glowbugradio] Early results with grounded-grid drivers

I've just completed the first round of experiments with a modified Hallicrafters HT-40 the uses the following modified RF lineup:

6CL6 grounded-grid amplifier #1: The outboard driving signal arrives via coaxial cable and is ac-coupled to the cathode of this stage. A 25-k pot in the screen circuit of this stage adjusts its gain, and hence the drive applied to the next stage and the final amplifier stage beyond it. The plate resonator of 6CL6 #1 is a 10-uH inductor (42 turns on a T68-2 powdered-iron toroidal core) with a 3-turn link for driving the cathode of the next stage. At 40 meters, a 50-pF air trimmer adjusts this circuit to resonance; with that adjusted, switching in a 150-pF fixed capacitor retunes it to f/2 for 80-meter operation. There's no need to adjust this circuit across my frequencies of interest at 80 and 40--generally 3545 to 3565 kHz and 7100 to 7120 kHz. Considering how much extra gain the strip affords, it's probably good for the entire CW portion of both bands. (This stage could easily be equipped with switching to allow its operation as a grounded-grid VFO/exciter amplifier or a grid-plate crystal oscillator.)

6CL6 grounded-grid amplifier #2: The link-driven low-impedance twisted-pair line from the first 6CL6 cathode-drives this second grounded-grid stage. Its plate dc feed is in parallel with its output tank, the "ground" end of which tank is above ac ground via a 300-pF capacitor for the purpose of implementing capacitive-bridge-neutralization of the set's 6DQ5 final. A front-panel 140-pF variable, its rotor spaced from the chassis by means of a plastic plate fastened across an overlarge shaft hole, tunes this circuit to resonance at 80 and 40.

Both 6CL6s are equipped with 100-ohm screen-grid stoppers just in case they might want to exhibit screen-negative-resistance parasitic oscillations. Even with the stoppers keeping the 6CL6s' screens a bit above ac ground, the tubes show no signs of oscillation when keyed in the absence of a driving signal.

** While the 100 Ohm resistor will do a good job taming parasitics it has nothing to do with negative screen current. That occurance is normal in many multigrid tubes during tuning and with some tubes even in normal operation. What is needed is a resistor to ground that will bleed from the PS the expected negative current and causing the screen meter to not go below zero.

6DQ5 final amplifier: Optimum grid current for maximum output (40 W at 40 m; 45 W at 80 meters) at the outboard-supplied key-down plate voltage at which this tube runs (410) is 1.8 to 2.2 mA as indicated by the set's jumpy 0-5 milliammeter.

The exciter for this transmitter is my Crystalizer (http://mysite.verizon.net/dpnewkirk/ej/crystalizer/), the output of which is 200 to 230 mW or so. (If I need to double to 40 from an 80-meter rock, the Crystalizer does it; it can also divide by 2, 3, 4, or 5. So so far I only used the 6CL6-6CL6 pair "straight through.") That much drive turns out to be way too much for this two-6CL6 strip, resulting (at first) in saturation of one or both of the tubes at 80 meters and nearly zero output on that band! So I quickly added a 6-dB pi attenuator in the RF line to the cathode of 6CL6 #1, and that works perfectly: I can now adjust 6CL6 #1's screen control to provide a 6DQ5 grid current of over 4 mA on either band, and well below 1 mA minimum on each band--not bad for just guessing at initially setting the control's range with a 1.8-k resistor from its lower-voltage end terminal to chassis and a 100-k resistor from its higher-voltage end terminal to the set's 290 V lower-voltage plate rail.

An observation: For multiple reasons, hamdom generally became accustomed to using way-too-hefty driver tubes to drive final amplifiers the likes of 6146s and smaller tubes. Even 6CL6s (plate dissipation, 7.5 W) are overkill, as would be 6AG7s; almost certainly, 6AH6/6AC7-class small video pentodes (plate dissipation in the 3-W range) with transconductances of 9 to 16 mS (6JC6) would do as well. Even operating Class C, sweep tubes, 807s and 6146s need only a fraction of a watt of driving power. So in my Summer40Winter80 I've replaced its 12AL11 (sort of a 6DT6-6AQ5 pairing in one envelope) with a 6BN11 (from its specs, almost exactly like two 6EW6s in one envelope), and it's working just fine with no other modifications...yet.

** Excess drive availability is good to have so that tubes arent always being replaced after just slight loss of emission; the usual drive control is a pot in the screen circuit.

Also be aware that most rigs cover 80-10 or 160-10 and that the driver stage you consider overkill is operating as a doubler or tripler on the higher bands. And more drive is often needed to get a good modulation level on AM. Not everyone operates just 2 low bands CW.
While a Johnson Viking I and II can have the finals (4D32 and parallel 6146's) overdriven by a 6AQ5 (with screen pot) many other rigs, ham and commercial, use lossy circuitry as a means of somewhat broadbanding thus a somewhat loafing 6146 is not excessive to drive a 813 for example. While a Globe Champion 300&350 used a 2E26 to drive a pair of AX-9909's to 375W input on CW and 300W on AM, converting to a 813 final (NOS 9909's cost more than the rig) it required a 6146 at slightly higher voltages to get enough drive for upward modulation on 15 and 10M. The 6CL6 driver/multiplier also needed an extra kick by changing the VFO tube to a 6AH6 as was long done to beef up anemic Heath and Johnson VFO's.

Carl
KM1H

BTW, as I generally do multistage tube rigs at W9VES, I cathode key the 6CL6s and 6DQ5 with an IRF840-power-MOSFET outboard keyer/shaping box, the 6CL6 cathodes keyed by one IRF840 and the 6DQ5 cathode keyed by another. When it's time to use the Summer40Winter80, I just do some replugging and I'm in business with the same waveshaping applied to the S40W80.

Best regards,

Dave
amateur radio W9VES

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4808 - Release Date: 02/13/12

1182. Re: Early results with grounded-grid drivers

Yahoo group: glowbugradio
Date: 2012-02-14 04:43:41 UTC
From: davidpnewkirk
Topic: 1180 Message: 1182

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:

> ** While the 100 Ohm resistor will do a good job taming parasitics it has
> nothing to do with negative screen current. That occurance is normal in many
> multigrid tubes during tuning and with some tubes even in normal operation.
> What is needed is a resistor to ground that will bleed from the PS the
> expected negative current and causing the screen meter to not go below zero.

Right. I was talking about negative resistance and not negative screen current per se. Negative resistance provides conditions for oscillation without requiring feedback as we normally think of it. One way to counteract negative resistance is to put _positive_ resistance in series with it to reduce its magnitude enough to make oscillation impossible. The tricky thing about negative resistance is that unlike the passive positive resistances we're accustomed to applying in the form of resistors, rheostats, and potentiometers, negative resistance is nonlinear and dynamic, and changes magnitude with the operating conditions of the device that exhibits it. As an example of this, "fringe howl" in a classic triode regenerative detector, an audio oscillation, generally occurred only right around critical regeneration--at the fringe of oscillation, hence its name.

Best regards,

Dave
amateur radio W9VES

1183. Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 16:08:03 UTC
From: Kenneth G. Gordon
Topic: 1183 Message: 1183

I need to find copies of two HR mags. So far, I have not found anyplace on-
line where I could download either copies or specific articles.

A while back, someone pointed me to a fellow ham, I think he was a W5,
who had copies for sale. I bought a copy of one I needed, but have
subsequenly lost his address.

Can anyone help?

Ken W7EKB

1184. Re: [glowbugradio] Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 16:31:57 UTC
From: Jim
Topic: 1183 Message: 1184

Ken,

Since back issue sets of hr magazine are available on CD now (ARRL, $149.95, order number HRCD), there's a good chance that the set is available on a bit torrent somewhere.
 However, if you know which issue you need, there's a very good chance that somebody here or on another yahoo group has that issue and would scan or copy the necessary article for you. That's permissible under fair use ... however, sending or receiving the entire set via bit torrent is not, because it's readily available commercially.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: Glowbugradio@yahoogroups.com
>Sent: Tuesday, February 14, 2012 10:08 AM
>Subject: [glowbugradio] Ham Radio Magazine source
>
>I need to find copies of two HR mags. So far, I have not found anyplace on-
>line where I could download either copies or specific articles.
>
>A while back, someone pointed me to a fellow ham, I think he was a W5,
>who had copies for sale. I bought a copy of one I needed, but have
>subsequenly lost his address.
>
>Can anyone help?
>
>Ken W7EKB
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>Yahoo! Groups Links
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1185. Re: [glowbugradio] Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 18:03:32 UTC
From: Kenneth G. Gordon
Topic: 1183 Message: 1185

On 14 Feb 2012 at 8:31, Jim wrote:

> Ken,
>
> Since back issue sets of hr magazine are available on CD now (ARRL,
> $149.95, order number HRCD),

Oh. I guess I should check the ARRL website a bit more often: I had no idea this was available, although I do have an almost complete set of QST on CD-ROM.

> there's a good chance that the set is
> available on a bit torrent somewhere. However, if you know which
> issue you need, there's a very good chance that somebody here or on
> another yahoo group has that issue and would scan or copy the
> necessary article for you. That's permissible under fair use ...
> however, sending or receiving the entire set via bit torrent is not,
> because it's readily available commercially.

Well, having been an IT professional for over 30 years, I have a particular aversion to bit torrent since it is every easily "hacked" into a source of malware.

Thank you very much for the info,though. I really appreciate it.

Ken W7EKB

>
> 73
> Jim N6OTQ
>
>
>
> >_____
> > From: Kenneth G. Gordon <kgordon2006@...>
> >To: Glowbugradio@yahoogroups.com
> >Sent: Tuesday, February 14, 2012 10:08 AM
> >Subject: [glowbugradio] Ham Radio Magazine source
> >
> >I need to find copies of two HR mags. So far, I have not found
> >anyplace on- line where I could download either copies or specific
> >articles.
> >
> >A while back, someone pointed me to a fellow ham, I think he was a
> >W5, who had copies for sale. I bought a copy of one I needed, but
> >have subsequenly lost his address.
> >

> >Can anyone help?
> >
> >Ken W7EKB
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1186. Re: [glowbugradio] Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 18:17:31 UTC
From: Garey Barrell
Topic: 1183 Message: 1186

Ken -

What article/issue do you need??

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

Kenneth G. Gordon wrote:
> On 14 Feb 2012 at 8:31, Jim wrote:
>
>> Ken,
>>
>> Since back issue sets of hr magazine are available on CD now (ARRL,
>> $149.95, order number HRCD),
> Oh. I guess I should check the ARRL website a bit more often: I had no idea
> this was available, although I do have an almost complete set of QST on CD-
> ROM.
>
>> there's a good chance that the set is
>> available on a bit torrent somewhere. However, if you know which
>> issue you need, there's a very good chance that somebody here or on
>> another yahoo group has that issue and would scan or copy the
>> necessary article for you. That's permissible under fair use ...
>> however, sending or receiving the entire set via bit torrent is not,
>> because it's readily available commercially.
> Well, having been an IT professional for over 30 years, I have a particular
> aversion to bit torrent since it is every easily "hacked" into a source of
> malware.
>
> Thank you very much for the info,though. I really appreciate it.
>
> Ken W7EKB
>
>> 73
>> Jim N6OTQ
>>
>>
>>
>>> _____
>>> From: Kenneth G. Gordon<kgordon2006@...>
>>> To: Glowbugradio@yahoogroups.com
>>> Sent: Tuesday, February 14, 2012 10:08 AM

>>> Subject: [glowbugradio] Ham Radio Magazine source
>>>
>>> I need to find copies of two HR mags. So far, I have not found
>>> anyplace on- line where I could download either copies or specific
>>> articles.
>>>
>>> A while back, someone pointed me to a fellow ham, I think he was a
>>> W5, who had copies for sale. I bought a copy of one I needed, but
>>> have subsequenly lost his address.
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>>> Can anyone help?
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>>> Ken W7EKB
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1187. Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 18:29:00 UTC
From: randy_hunt960
Topic: 1183 Message: 1187

The answer to this is, Yes. Ham Radio is available in both a torrent (several with various levels of completeness) and also the Internet Archive site:

http://www.archive.org

I downloaded all of them from Internet Archive. There was only one issue missing (I don't recall which one at this time), where I went to a torrent to get it. I also discovered that I didn't have to download to complete torrent to get it. I just went to the file list in the torrent client and watched when that particular file was complete, then viewed it and saved it to the hard drive. OBTW, the Internet Archive has 73 magazine also.

Hope this helps,

Randy, KI6WAS

--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> Ken,
>
> Since back issue sets of hr magazine are available on CD now (ARRL, $149.95, order number HRCD), there's a good chance that the set is available on a bit torrent somewhere.
 However, if you know which issue you need, there's a very good chance that somebody here or on another yahoo group has that issue and would scan or copy the necessary article for you. That's permissible under fair use ... however, sending or receiving the entire set via bit torrent is not, because it's readily available commercially.
>
> 73
> Jim N6OTQ
>
>
>
> >_____
> > From: Kenneth G. Gordon <kgordon2006@...>
> >To: Glowbugradio@yahoogroups.com
> >Sent: Tuesday, February 14, 2012 10:08 AM
> >Subject: [glowbugradio] Ham Radio Magazine source
> >
> >I need to find copies of two HR mags. So far, I have not found anyplace on-
> >line where I could download either copies or specific articles.
> >
> >A while back, someone pointed me to a fellow ham, I think he was a W5,
> >who had copies for sale. I bought a copy of one I needed, but have
> >subsequenly lost his address.
> >
> >Can anyone help?
> >

> >Ken W7EKB
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1188. Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 19:07:03 UTC
From: Jim
Topic: 1183 Message: 1188

Hi Randy

I'm thinking that the Internet Archive may be a "corner case" in that it's relatively difficult to snarf up all of hr magazine from that site, thus "fair use" claims are defensible -- I guess one could claim that they were providing an alternative archive site for informational purposes only. I'm not hurting for money so it's within reason for me to buy the hr magazine CD set. And -- as appropriate, share snippets when requested, within "fair use."

Usually the ARRL is not a strident defender of its copyrights, so while it's still a violation to copy entire books or magazine CDs, it's not as likely to land you in hot water as, say, pirating a first-release movie. As for 73, Wayne Green released 73 to the public domain -- BRAVO!!, Wayne -- so we can reuse its content without concern about copyright.

There's a litmus test on copyright -- can you easily buy a work today, and is there a significant financial infrastructure built around the production of that work? If the answer to both is yes, I recommend that you pay for it, or else do without. It's generally cheaper in the long run. If you get caught just once by the copyright trolls in Hollywood or in music, you're on their radar forever.

Plus -- people like me earn our living from what we write. If there were no value in the marketplace for our work -- because people would immediately steal it and share it with everybody they knew -- we would have no value in the marketplace either, and we'd be on unemployment or else be stocking the shelves at the nearest Target store.

And until the ARRL starts paying a fair price for articles, I'm not writing a word for them that I haven't given away free on the internet already.

Jim N6OTQ

PS -- If ratified, SOPA, PIPA, and PCIP would ALL put the Internet Archive and all the rest of the internet archive sites offline. Plus most of yahoo. Plus most of the little sites that generate billions of revenue dollars per year for google. Plus hosting sites like godaddy.

>_____
> From: randy_hunt960 <randy_hunt960@...>
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, February 14, 2012 12:29 PM
>Subject: [glowbugradio] Re: Ham Radio Magazine source
>
>The answer to this is, Yes. Ham Radio is available in both a torrent (several with various levels of completeness) and also the Internet Archive site:
>
>http://www.archive.org
>
>I downloaded all of them from Internet Archive. There was only one issue missing (I don't

recall which one at this time), where I went to a torrent to get it. I also discovered that I didn't have to download to complete torrent to get it. I just went to the file list in the torrent client and watched when that particular file was complete, then viewed it and saved it to the hard drive. OBTW, the Internet Archive has 73 magazine also.
>
>Hope this helps,
>
>Randy, KI6WAS
>
>--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>>
>> Ken,
>>
>> Since back issue sets of hr magazine are available on CD now (ARRL, $149.95, order number HRCD), there's a good chance that the set is available on a bit torrent somewhere. However, if you know which issue you need, there's a very good chance that somebody here or on another yahoo group has that issue and would scan or copy the necessary article for you. That's permissible under fair use ... however, sending or receiving the entire set via bit torrent is not, because it's readily available commercially.
>>
>> 73
>> Jim N6OTQ
>

1189. Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 20:01:55 UTC
From: Kenneth G. Gordon
Topic: 1183 Message: 1189

On 14 Feb 2012 at 18:29, randy_hunt960 wrote:

> The answer to this is, Yes. Ham Radio is available in both a torrent
> (several with various levels of completeness) and also the Internet
> Archive site:
>
> http://www.archive.org
>
> I downloaded all of them from Internet Archive.

How in the heck do you do that from the above URL? I haven't yet figured
that out, and I have been an IT pro for over 30 years. It is not "intuitively
obvious".

I only need two articles out of two issues.

Ken W7EKB

1190. Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 20:12:18 UTC
From: Kenneth G. Gordon
Topic: 1183 Message: 1190

On 14 Feb 2012 at 11:07, Jim wrote:

> Usually the ARRL is not a strident defender of its copyrights,

Well, that depends: on whether or not the author of a particular article assigned his rights to ARRL or kept them. When I began the Glowbugs website (now at http://www.w7ekb.com/glowbugs/) we obtained written permission from the ARRL to post articles from Handbooks and QST, but they insisted that the only ones we publish were those written by their staff.

> As for 73, Wayne Green released 73 to the public
> domain -- BRAVO!!, Wayne -- so we can reuse its content without
> concern about copyright.

So, where might one find a searchable archive of 73?

> And until the ARRL starts paying a fair price for articles, I'm not
> writing a word for them that I haven't given away free on the internet
> already.

I have heard the same thing from other authors... that is really too bad, too.

> PS -- If ratified, SOPA, PIPA, and PCIP would ALL put the Internet
> Archive and all the rest of the internet archive sites offline. Plus
> most of yahoo. Plus most of the little sites that generate billions
> of revenue dollars per year for google. Plus hosting sites like
> godaddy.

Sigh....yes....

Ken W7EKB

1191. Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-14 20:20:21 UTC
From: Jim
Topic: 1183 Message: 1191

Ken,

If you can tolerate using a bittorrent, there are several for the 73 archive. It'll likely take several days as your ISP throttles back your connection speed -- thanks to our NOT having net neutrality. I don't know of a complete searchable archive, but there may be the equivalent of one out there if you write the right search string.

I might see if one of my computers will burn DVDs -- it's not something I've ever tried -- but I do have a copy of the 73 archive. It's divided up by month and year, and would not be too hard to copy to DVDs (plural). I think it's 18 GB, but if you'll recall, some months 73 was as thick as the phone book for a decent-sized city.

Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, February 14, 2012 2:12 PM
>Subject: Re: [glowbugradio] Re: Ham Radio Magazine source
>
>
>
>So, where might one find a searchable archive of 73?
>

1192. Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 00:14:29 UTC
From: Charles MacDonald
Topic: 1183 Message: 1192

On 12-02-14 02:07 PM, Jim wrote:

> There's a litmus test on copyright -- can you easily buy a work today,
> and is there a significant financial infrastructure built around the
> production of that work? If the answer to both is yes, I recommend that
> you pay for it, or else do without.

Would that it be that easy. if something is still under copyright, you can't copy it legaly without permission. If it has been put in the public domain, then you can copy it freeley no mater how many folks are offering it for sale.

Unfortunately, Good Old Sonny Bono, got a coptright extension act passed for his constituents in Hollywood, so basicaly nothing created ofter "SteamBoat Willie" the first Micky Mouse cartoon can enter the public domain. The US governement brow beats most other nations to extend the lenght of time to the same length. 50 -90 years after death of the author seems to be what is needed to provide authors incentive to write.

Have a search on teh web for the "lost works problem" just because the owner can't be found or is not interested - you still can't make a copy even to save information that is rotting away.

Brewster over at Archive.org has been a major fighter to get the public domain extended.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://users.trytel.com/~cmacd/tubes.html
No Microsoft Products were used in sending this e-mail.

1193. Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 00:36:03 UTC
From: Jim
Topic: 1183 Message: 1193

Yeah, there's the letter of the law, and then there's how likely somebody is to enforce the law.

You want to avoid exposure to enforcement. So -- "don't copy that floppy," don't pirate first-run movies, don't share thousands of MP3s on Napster-like sites. And don't post Heathkit manuals in public. For the rest, use your best judgment and share with discretion. At the very least, when in doubt, keep it out of the public eye. The Heathkit guy (datapro) WILL sue your ass.

It's funny, actually -- for most of the copyright bending we do in forums like this, the copyright owner is not equipped to provide the materials in any medium, and will spend fists full of dollars to answer the simplest inquiry. You will notice -- top-tier providers like HP/Agilent keep as many of their old manuals online as they can, so they DON'T have to pay people to talk to us. And the Department of Defense keeps it easy for us to get their manuals and doesn't mess with people who claim copyright on compilations or derivative works from mil manuals.

Which -- all mil manuals are in the public domain, and hence fair game. So if there's a commercial product with a mil-spec version, you can always get the manuals if you know the AN/URM (or whatever) number for the manual.

Too bad Heathkit never sold anything to the Army.

Jim N6OTQ

>_____
> From: Charles MacDonald <aa508@freenet.carleton.ca>
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, February 14, 2012 6:14 PM
>Subject: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source
>
>On 12-02-14 02:07 PM, Jim wrote:
>
>> There's a litmus test on copyright -- can you easily buy a work today,
>> and is there a significant financial infrastructure built around the
>> production of that work? If the answer to both is yes, I recommend that
>> you pay for it, or else do without.
>
>Would that it be that easy. if something is still under copyright, you
>can't copy it legaly without permission. If it has been put in the
>public domain, then you can copy it freeley no mater how many folks are
>offering it for sale.
>
>Unfortunately, Good Old Sonny Bono, got a coptright extension act passed
>for his constituents in Hollywood, so basicaly nothing created ofter
>"SteamBoat Willie" the first Micky Mouse cartoon can enter the public

>domain. The US governement brow beats most other nations to extend the
>lenght of time to the same length. 50 -90 years after death of the
>author seems to be what is needed to provide authors incentive to write.
>
>Have a search on teh web for the "lost works problem" just because the
>owner can't be found or is not interested - you still can't make a copy
>even to save information that is rotting away.
>
>Brewster over at Archive.org has been a major fighter to get the public
>domain extended.
>
>--
>Charles MacDonald   Stittsville Ontario
>cmacd@...   Just Beyond the Fringe
>http://users.trytel.com/~cmacd/tubes.html
>No Microsoft Products were used in sending this e-mail.
>

1194. Re: [glowbugradio] Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 00:56:59 UTC
From: Rod Hogg
Topic: 1183 Message: 1194

Ken,
I have every issue of HR, what do you need?
Rod
KØEQH

--- On Tue, 2/14/12, Kenneth G. Gordon <kgordon2006@...> wrote:

From: Kenneth G. Gordon <kgordon2006@...>
Subject: [glowbugradio] Ham Radio Magazine source
To: Glowbugradio@yahoogroups.com
Date: Tuesday, February 14, 2012, 10:08 AM

I need to find copies of two HR mags. So far, I have not found anyplace on-
line where I could download either copies or specific articles.

A while back, someone pointed me to a fellow ham, I think he was a W5,
who had copies for sale. I bought a copy of one I needed, but have
subsequenly lost his address.

Can anyone help?

Ken W7EKB

1195. Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 00:58:03 UTC
From: ab7vf
Topic: 1183 Message: 1195

--- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
>
> Yeah, there's the letter of the law, and then there's how likely somebody is to enforce the law.
>

the 73 archive is on www.archive.org .. search for 73 magazine

the hr disks are in tiff/jpeg format (at least the ones I bought from the arrl are) .. a pita to convert to pdf

Jim

1196. Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 01:30:04 UTC
From: randy_hunt960
Topic: 1183 Message: 1196

Well, if you don't know which issues you need, you can go to ARRL and do a search then then search Archives for those issues. Otherwise, just do a search for those issues.

73's

Randy, KI6WAS

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:
>
> On 14 Feb 2012 at 18:29, randy_hunt960 wrote:
>
> > The answer to this is, Yes. Ham Radio is available in both a torrent
> > (several with various levels of completeness) and also the Internet
> > Archive site:
> >
> > http://www.archive.org
> >
> > I downloaded all of them from Internet Archive.
>
> How in the heck do you do that from the above URL? I haven't yet figured
> that out, and I have been an IT pro for over 30 years. It is not "intuitively
> obvious".
>
> I only need two articles out of two issues.
>
> Ken W7EKB
>

1197. Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 01:50:16 UTC
From: Carl
Topic: 1183 Message: 1197

The Heath stuff is easy as its on several off shore servers where the Ahole cant serve suit.

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 14, 2012 7:36 PM
Subject: Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

Yeah, there's the letter of the law, and then there's how likely somebody is to enforce the law.

You want to avoid exposure to enforcement. So -- "don't copy that floppy," don't pirate first-run movies, don't share thousands of MP3s on Napster-like sites. And don't post Heathkit manuals in public. For the rest, use your best judgment and share with discretion. At the very least, when in doubt, keep it out of the public eye. The Heathkit guy (datapro) WILL sue your ass.

It's funny, actually -- for most of the copyright bending we do in forums like this, the copyright owner is not equipped to provide the materials in any medium, and will spend fists full of dollars to answer the simplest inquiry. You will notice -- top-tier providers like HP/Agilent keep as many of their old manuals online as they can, so they DON'T have to pay people to talk to us. And the Department of Defense keeps it easy for us to get their manuals and doesn't mess with people who claim copyright on compilations or derivative works from mil manuals.

Which -- all mil manuals are in the public domain, and hence fair game. So if there's a commercial product with a mil-spec version, you can always get the manuals if you know the AN/URM (or whatever) number for the manual.

Too bad Heathkit never sold anything to the Army.

Jim N6OTQ

From: Charles MacDonald <aa508@...>
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 14, 2012 6:14 PM
Subject: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

On 12-02-14 02:07 PM, Jim wrote:

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> production of that work? If the answer to both is yes, I recommend that
> you pay for it, or else do without.

Would that it be that easy. if something is still under copyright, you can't copy it legaly without permission. If it has been put in the public domain, then you can copy it freeley no mater how many folks are offering it for sale.

Unfortunately, Good Old Sonny Bono, got a coptright extension act passed for his constituents in Hollywood, so basicaly nothing created ofter "SteamBoat Willie" the first Micky Mouse cartoon can enter the public domain. The US governement brow beats most other nations to extend the lenght of time to the same length. 50 -90 years after death of the author seems to be what is needed to provide authors incentive to write.

Have a search on teh web for the "lost works problem" just because the owner can't be found or is not interested - you still can't make a copy even to save information that is rotting away.

Brewster over at Archive.org has been a major fighter to get the public domain extended.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://users.trytel.com/~cmacd/tubes.html
No Microsoft Products were used in sending this e-mail.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4809 - Release Date: 02/14/12

1198. 22V zener diodes, 500 mA

Yahoo group: glowbugradio
Date: 2012-02-15 01:50:31 UTC
From: n6otq
Topic: 1198 Message: 1198

Hi all

The rather large bag of zener diodes arrived the other day. There are a LOT of them. These are axial-lead DO-35 or similar glass-envelope zeners marked BZX-55C - 22, and nominally test at 22 V. Tape-and-reel packaging, and I got them because the reel self-destructed. I was not able to definitively determine the manufacturer. Also I assume that they are NOT RoHS - certified, so your Customs declaration will say "electronics components for high-voltage radio transmitters."

Datasheets for these show about a +/- 5% voltage range -- from 20.xx to 23.xx volts. My random spot checks on a few showed that they're tighter than this, but I didn't do anything scientific or parametric. I just hooked a few to my variable power supply and cranked it up until it hit the zener voltage. Note that they WILL blow up if you slam them with irresistible voltage and current from an LM317 (talking about some BRUTE power here ...) but other than that, they seem to be well within the datasheet-specified voltage and current rating.

They're a penny each plus postage. I measured off about a hundred of them, and it's a strip about 20 inches long, weighing about 14 grams or 0.5 oz. So maybe I can mail these domestically for one 45-cent stamp, but I've gotta see what the post office will let me get away with. Cash or check, NO PayPal.

If you want 500 or more it's free postage, and I'll entertain offers for 1000 or more. Know that I'll NOT be counting these, I'll just be measuring the tape strips and throwing in a few extra. The seller said that there are 3 or 4 thousand, but I haven't measured.

Also there is a guy in Oz whom I promised some of these as a gift, and "astro" you need to email me your snail mail address.

Everybody else, tell your friends and email me (offlist, please). After I've sold maybe $10 of these, I'll be in a better mood about giving more away.

And -- I might wind up offering a whole bunch of these to Dan at Dan's Small Parts in exchange for store credit. I am sure he'll want at least ten times what I'm asking.

73
Jim N6OTQ
address good in QRZ.com

1199. Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 01:54:17 UTC
From: Jim
Topic: 1183 Message: 1199

You need to be an ARRL member to search and then retrieve content.

If you're not a member, email me OFF-LIST and ask nicely, and I'll look for you.

Jim N6OTQ
ARRL Life Member

>_____
> From: randy_hunt960 <randy_hunt960@...>
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, February 14, 2012 7:30 PM
>Subject: [glowbugradio] Re: Ham Radio Magazine source
>
>Well, if you don't know which issues you need, you can go to ARRL and do a search then then search Archives for those issues. Otherwise, just do a search for those issues.
>

1200. Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 01:58:22 UTC
From: Jim
Topic: 1183 Message: 1200

You criminale del norte, which sites?

Not that any of us would ever go there ...

Jim N6OTQ

>_____
> From: Carl <km1h@jeremy.mv.com>
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, February 14, 2012 7:50 PM
>Subject: Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source
>
>The Heath stuff is easy as its on several off shore servers where the Ahole
>cant serve suit.
>

1201. Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 02:30:51 UTC
From: Don Sanders
Topic: 1183 Message: 1201

Yes I scanned a lot of ham info and it all came out .tiff on the HP 3 N 1.
I haven't tried to convert them but my computer will open them as is.

Dr Don W4BWS

On Tue, Feb 14, 2012 at 7:58 PM, ab7vf <ab7vf@...> wrote:

> **
>
>
>
>
> --- In glowbugradio@yahoogroups.com, Jim <n6otq@...> wrote:
> >
> > Yeah, there's the letter of the law, and then there's how likely
> somebody is to enforce the law.
> >
>
> the 73 archive is on www.archive.org .. search for 73 magazine
>
> the hr disks are in tiff/jpeg format (at least the ones I bought
> from the arrl are) .. a pita to convert to pdf
>
> Jim
>
>
>

--
Dr. Don W4BWS

1202. Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

Yahoo group: glowbugradio
Date: 2012-02-15 02:34:01 UTC
From: Carl
Topic: 1183 Message: 1202

Google found it for me a few years ago and Ive got almost 2 CD's worth of stuff on the PC but havent checked it over for stuff missing.

It looks like what was on BAMA before Ken wimped. Ive been mailing them out to those who ask nice...

Carl

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 14, 2012 8:58 PM
Subject: Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

You criminale del norte, which sites?

Not that any of us would ever go there ...

Jim N6OTQ

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 14, 2012 7:50 PM
Subject: Re: Copyright mess.Re: [glowbugradio] Re: Ham Radio Magazine source

The Heath stuff is easy as its on several off shore servers where the Ahole
cant serve suit.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4809 - Release Date: 02/14/12

1203. RE: [glowbugradio] 22V zener diodes, 500 mA

Yahoo group: glowbugradio
Date: 2012-02-15 03:42:06 UTC
From: Tom Bridgers
Topic: 1198 Message: 1203

Hi Jim,
I'd like to buy 500 zeners. My address is:

412 Hobbs Road
Greensboro, NC 27403

If this works for you, please let me know your address so I can send you my check.

Thanks,
-Tom Bridgers KE4RHH

To: glowbugradio@yahoogroups.com
From: n6otq@...
Date: Wed, 15 Feb 2012 01:50:31 +0000
Subject: [glowbugradio] 22V zener diodes, 500 mA

Hi all

The rather large bag of zener diodes arrived the other day. There are a LOT of them. These are axial-lead DO-35 or similar glass-envelope zeners marked BZX-55C - 22, and nominally test at 22 V. Tape-and-reel packaging, and I got them because the reel self-destructed. I was not able to definitively determine the manufacturer. Also I assume that they are NOT RoHS - certified, so your Customs declaration will say "electronics components for high-voltage radio transmitters."

Datasheets for these show about a +/- 5% voltage range -- from 20.xx to 23.xx volts. My random spot checks on a few showed that they're tighter than this, but I didn't do anything scientific or parametric. I just hooked a few to my variable power supply and cranked it up until it hit the zener voltage. Note that they WILL blow up if you slam them with irresistible voltage and current from an LM317 (talking about some BRUTE power here ...) but other than that, they seem to be well within the datasheet-specified voltage and current rating.

They're a penny each plus postage. I measured off about a hundred of them, and it's a strip about 20 inches long, weighing about 14 grams or 0.5 oz. So maybe I can mail these domestically for one 45-cent stamp, but I've gotta see what the post office will let me get away with. Cash or check, NO PayPal.

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Also there is a guy in Oz whom I promised some of these as a gift, and "astro" you need to email me your snail mail address.

Everybody else, tell your friends and email me (offlist, please). After I've sold maybe $10 of these, I'll be in a better mood about giving more away.

And -- I might wind up offering a whole bunch of these to Dan at Dan's Small Parts in exchange for store credit. I am sure he'll want at least ten times what I'm asking.

73
Jim N6OTQ
address good in QRZ.com

1204. Precision capacitors

Yahoo group: glowbugradio
Date: 2012-02-17 01:41:53 UTC
From: Lloyd Godsey
Topic: 1204 Message: 1204

Just turned up a small bag of .953 uf 1.0% Western Electric caps.
Not very big so assume low voltage.
However fine for calibration.
Negotiable.

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1205. WTB for HRO-500

Yahoo group: glowbugradio
Date: 2012-02-20 16:43:55 UTC
From: geoff8122
Topic: 1205 Message: 1205

Need the following to rescue a few radios

Drum mask

50KHz crystal

VFO cover

various knobs

The 3/4" aluminum inserts for the smaller knobs (Are the NCX-5 family the same?)

1445 lamps

Carl
KM1H

1206. Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 21:38:59 UTC
From: Benoît Mangin
Topic: 1206 Message: 1206

I am just beginning to discover the possibilities of Amateur radio AM operation. Does anybody of you occasionaly or even regularly practise AM QSOs ?

If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ? Preferred periods ? Do networks or ladder QSOs exist ?

How abt the necessary gear ? What about Hi-Fi audio AM ?

The subject being a bit OT, you can answer me if you want via direct mail adress: mangin.benoit@....

As very few hams do practise AM in my country, I'm a bit lonely and need the tutelage of AM-experimented Hams.

1207. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 21:49:21 UTC
From: Theosleaper
Topic: 1206 Message: 1207

WA1HLR, Tim Smith, is someone to lookup on QRZ. His email address is there. Strictly AM.
Rick, K1WYH

----- Original Message -----
From: Benoît Mangin
To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ; do5dgh_georg@... ; mwcircle@yahoogroups.com ; glowbugradio@yahoogroups.com ; glowbugsmailinglist@yahoogroups.com ; longwaveradiostationlistening@yahoogroups.com ; mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com
Sent: Monday, February 20, 2012 4:38 PM
Subject: [glowbugradio] Amateur radio amplitude modulation

I am just beginning to discover the possibilities of Amateur radio AM operation. Does anybody of you occasionaly or even regularly practise AM QSOs ?

If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ? Preferred periods ? Do networks or ladder QSOs exist ?

How abt the necessary gear ? What about Hi-Fi audio AM ?

The subject being a bit OT, you can answer me if you want via direct mail adress: mangin.benoit@....

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1208. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 21:50:12 UTC
From: Bob Macklin
Topic: 1206 Message: 1208

Most of the AM activity is on 160 and 80.

There used to be activity here in the Pacific Northwest but I have not been able to hear any of it.

Go here and you may be able to find some help:
http://amfone.net/Amforum/index.php

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Benoît Mangin
To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ; do5dgh_georg@... ; mwcircle@yahoogroups.com ; glowbugradio@yahoogroups.com ; glowbugsmailinglist@yahoogroups.com ; longwaveradiostationlistening@yahoogroups.com ; mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com
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Subject: [glowbugradio] Amateur radio amplitude modulation

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1209. Re : [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 21:54:31 UTC
From: Benoît Mangin
Topic: 1206 Message: 1209

I already subscribed indeed. A nice place to come forthis specialiszed Ham radio sub-species.

TNX info

VY 73
de F8GRY/Ben

_____
De : Bob Macklin <macklinbob@...>
À : glowbugradio@yahoogroups.com
Envoyé le : Lundi 20 février 2012 22h50
Objet : Re: [glowbugradio] Amateur radio amplitude modulation

Most of the AM activity is on 160 and
80.

There used to be activity here in the Pacific
Northwest but I have not been able to hear any of it.

Go here and you may be able to find some
help:
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Bob Macklin
K5MYJ
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"Real
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>From: Benoît Mangin
>To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ; do5dgh_georg@... ; mwcircle@yahoogroups.com ; glowbugradio@yahoogroups.com ; glowbugsmailinglist@yahoogroups.com ; longwaveradiostationlistening@yahoogroups.com ; mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com
>Sent: Monday, February 20, 2012 1:38 PM
>Subject: [glowbugradio] Amateur radio amplitude modulation
>
>
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>
>
>If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ? Preferred periods ? Do networks or ladder QSOs exist ?
>

>
>How abt the necessary gear ? What about Hi-Fi audio AM ?
>
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>The subject being a bit OT, you can answer me if you want via direct mail adress:
mangin.benoit@....
>
>
>As very few hams do practise AM in my country, I'm a bit lonely and need the tutelage of
AM-experimented Hams.

1210. Re : [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 21:56:38 UTC
From: Benoît Mangin
Topic: 1206 Message: 1210

Quite impressive indeed..

Do you enjoy AM operation yourself ?

de F8GRY/Ben

De : Theosleaper <theosleaper@comcast.net>
À : glowbugradio@yahoogroups.com
Envoyé le : Lundi 20 février 2012 22h49
Objet : Re: [glowbugradio] Amateur radio amplitude modulation

WA1HLR, Tim Smith, is someone to lookup on QRZ. His
email address is there. Strictly AM.
Rick, K1WYH

----- Original Message -----
>From: Benoît Mangin
>To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ;
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mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com
>Sent: Monday, February 20, 2012 4:38 PM
>Subject: [glowbugradio] Amateur radio amplitude modulation
>
>
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>If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ?
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>
>
>As very few hams do practise AM in my country, I'm a bit lonely and need the tutelage of
AM-experimented Hams.

1211. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 22:08:17 UTC
From: Theosleaper
Topic: 1206 Message: 1211

Not on AM. I live in a condominium with RFI concerns so S.S.B. is the best mode for me at present.
Rick, K1WYH
----- Original Message -----
From: Benoît Mangin
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 4:56 PM
Subject: Re : [glowbugradio] Amateur radio amplitude modulation

Quite impressive indeed..

Do you enjoy AM operation yourself ?

de F8GRY/Ben

De : Theosleaper <theosleaper@comcast.net>
À : glowbugradio@yahoogroups.com
Envoyé le : Lundi 20 février 2012 22h49
Objet : Re: [glowbugradio] Amateur radio amplitude modulation

WA1HLR, Tim Smith, is someone to lookup on QRZ. His email address is there. Strictly AM.
Rick, K1WYH

----- Original Message -----
From: Benoît Mangin
To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ; do5dgh_georg@... ; mwcircle@yahoogroups.com ; glowbugradio@yahoogroups.com ; glowbugsmailinglist@yahoogroups.com ; longwaveradiostationlistening@yahoogroups.com ; mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com
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If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ? Preferred periods ? Do networks or ladder QSOs exist ?

How abt the necessary gear ? What about Hi-Fi audio AM ?

The subject being a bit OT, you can answer me if you want via direct mail adress: mangin.benoit@....

As very few hams do practise AM in my country, I'm a bit lonely and need the tutelage of AM-experimented Hams.

1212. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 22:28:22 UTC
From: Carl
Topic: 1206 Message: 1212

I can usually find AM on 160 to 6M when conditions warrant and operate at least one band daily.

When 10M is open there is a lot of activity from 29.0 and up, and 50.4 on 6M

There are several French stations on 75 regularly working the US and Ive worked others on 20, 17 and 15M.

Equipment can be a SS transceiver driving a linear since 20-25W usually does not do well except on 10 and 6M. I run a mix of SS and 1930's thru 1950's equipment into modern linears, barefoot vintage gear at 100-150W, or into plate modulated amps up to 1500W. I always strive for better audio than as manufactured and you will find lots of help on the AMphone forum; Im a regular there.

Carl
KM1H

----- Original Message -----
From: Bob Macklin
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 4:50 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

Most of the AM activity is on 160 and 80.

There used to be activity here in the Pacific Northwest but I have not been able to hear any of it.

Go here and you may be able to find some help:
http://amfone.net/Amforum/index.php

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Beno?t Mangin
To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ; do5dgh_georg@... ; mwcircle@yahoogroups.com ; glowbugradio@yahoogroups.com ; glowbugsmailinglist@yahoogroups.com ; longwaveradiostationlistening@yahoogroups.com ; mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com
Sent: Monday, February 20, 2012 1:38 PM
Subject: [glowbugradio] Amateur radio amplitude modulation

I am just beginning to discover the possibilities of Amateur radio AM operation. Does anybody of you occasionaly or even regularly practise AM QSOs ?

If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ? Preferred periods ? Do networks or ladder QSOs exist ?

How abt the necessary gear ? What about Hi-Fi audio AM ?

The subject being a bit OT, you can answer me if you want via direct mail adress: mangin.benoit@....

As very few hams do practise AM in my country, I'm a bit lonely and need the tutelage of AM-experimented Hams.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4821 - Release Date: 02/20/12

1213. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 22:41:53 UTC
From: Kenneth G. Gordon
Topic: 1206 Message: 1213

On 20 Feb 2012 at 13:50, Bob Macklin wrote:

> Most of the AM activity is on 160 and 80.
>
> There used to be activity here in the Pacific Northwest but I have not
> been able to hear any of it.

I regularly hear AM activity on both 160 and on 80 meters here in Moscow, Idaho which is in the Pacific NW. I hear it on 3880 Khz, and above and below those frequencies almost every day.

Ken W7EKB

1214. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 22:43:50 UTC
From: Bob Macklin
Topic: 1206 Message: 1214

YOU TOO!

I live in a RETIREMENT CLOSET!
But I have run the DX-60 on AM without a problem. 12W of carrier.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Theosleaper
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 2:08 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

☐

Not on AM. I live in a condominium with RFI concerns so S.S.B. is the best mode for me at present.
Rick, K1WYH
----- Original Message -----
From: Benoît Mangin
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 4:56 PM
Subject: Re : [glowbugradio] Amateur radio amplitude modulation

Quite impressive indeed..

Do you enjoy AM operation yourself ?

de F8GRY/Ben

De : Theosleaper <theosleaper@...>
À : glowbugradio@yahoogroups.com
Envoyé le : Lundi 20 février 2012 22h49
Objet : Re: [glowbugradio] Amateur radio amplitude modulation

WA1HLR, Tim Smith, is someone to lookup on QRZ. His email address is there. Strictly AM.
Rick, K1WYH

----- Original Message -----
From: Benoît Mangin
To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ; do5dgh_georg@... ; mwcircle@yahoogroups.com ; glowbugradio@yahoogroups.com ; glowbugsmailinglist@yahoogroups.com ; longwaveradiostationlistening@yahoogroups.com ; mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com

Sent: Monday, February 20, 2012 4:38 PM
Subject: [glowbugradio] Amateur radio amplitude modulation

I am just beginning to discover the possibilities of Amateur radio AM operation. Does anybody of you occasionaly or even regularly practise AM QSOs ?

If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ? Preferred periods ? Do networks or ladder QSOs exist ?

How abt the necessary gear ? What about Hi-Fi audio AM ?

The subject being a bit OT, you can answer me if you want via direct mail adress: mangin.benoit@....

As very few hams do practise AM in my country, I'm a bit lonely and need the tutelage of AM-experimented Hams.

1215. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 22:44:19 UTC
From: Carl
Topic: 1206 Message: 1215

On another subject old bean

Will you continue to host a 600M forum when it becomes a 630M ham band and open to all or is that pushing it?

There has been discussion on the Topband forum about permitting it.

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 5:41 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

On 20 Feb 2012 at 13:50, Bob Macklin wrote:

> Most of the AM activity is on 160 and 80.
>
> There used to be activity here in the Pacific Northwest but I have not
> been able to hear any of it.

I regularly hear AM activity on both 160 and on 80 meters here in Moscow, Idaho which is in the Pacific NW. I hear it on 3880 Khz, and above and below those frequencies almost every day.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4821 - Release Date: 02/20/12

1216. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 22:54:07 UTC
From: Bob Macklin
Topic: 1206 Message: 1216

Ken,

What time of day do you hear the AM activity on 3880?

The NW AM group used to operate on 3870. That's where I had been listening.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 2:41 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

On 20 Feb 2012 at 13:50, Bob Macklin wrote:

> Most of the AM activity is on 160 and 80.
>
> There used to be activity here in the Pacific Northwest but I have not
> been able to hear any of it.

I regularly hear AM activity on both 160 and on 80 meters here in Moscow,
Idaho which is in the Pacific NW. I hear it on 3880 Khz, and above and
below those frequencies almost every day.

Ken W7EKB

1217. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 23:13:13 UTC
From: Ken
Topic: 1206 Message: 1217

I talked to OH1TX back in November on AM...29.055.

I was running about 150 watts output with my TS-870 as the exciter...

That was a great feeling talking to Finland from Georgia using AM and only 150 some odd watts...

Ken
N4zed

1218. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-20 23:40:31 UTC
From: Kenneth G. Gordon
Topic: 1206 Message: 1218

On 20 Feb 2012 at 14:54, Bob Macklin wrote:

> Ken,
>
> What time of day do you hear the AM activity on 3880?
>
> The NW AM group used to operate on 3870. That's where I had been
> listening.

Hello again, Bob:

The Montana Traffic Net meets on 3910 at 4:30 PM (until DST starts, when it will be 5:30 PM) daily. I often listen down to the AM windows both before and after that net. I cannot really recall the times, since I don't have AM capability here at the moment.

I also meet the Idaho FARM net (sometimes) on 3937 at 6:00 PM PST, and often listen to the AM boys both before and after that.

And you're right: it was 3870, although I do hear carriers, and oftentimes, conversation on 3880 especially from California after it gets dark here.

As I said, I cannot recall the exact times: I just listen around for them.

I do have an old working DX-35 here which I could connect to my SB-200 linear amp, but at the moment I am not set up for full AM operation. The receiver I would use is my HQ-110 in any case.

For 160, I have the TS-820S which will do AM of a sort.

I listen to 160 periodically, and have often heard AM on that band too.

Ken W7EKB

1219. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 00:33:45 UTC
From: Kenneth G. Gordon
Topic: 1206 Message: 1219

On 20 Feb 2012 at 16:01, Bob Macklin wrote:

> Hi Ken,

Hi again, Bob.

> Thanks,
>
> I assume the Montana nets are Mountain time.

No. Those times I gave are Pacific. I am on Pacific time the same as you are.

> I'll save this message and try listening.
>
> I've given up on the 3870 group. I assume the two people I used to hear
> regularly are no longer active for some reason.

I'll listen a bit more "accurately" and will let you know what and who I hear.

> I also know of several other local hams here that have given up on HF. I
> suspect one quit because of HOA problems.

Yes, I can certainly understand. Fortunately, I don't have that sort of problem....yet. But I also
don't really have a decent antenna either.

I wonder if they would want to try VHF AM? Or even 10 meters?

More later, Bob.

vy 73,

Ken W7EKB

1220. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 00:51:58 UTC
From: Carl
Topic: 1206 Message: 1220

More like 600W PEP maybe?

Carl
KM1H

----- Original Message -----
From: Ken
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 6:13 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

I talked to OH1TX back in November on AM...29.055.

I was running about 150 watts output with my TS-870 as the exciter...

That was a great feeling talking to Finland from Georgia using AM and only 150 some odd watts...

Ken
N4zed

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4821 - Release Date: 02/20/12

1221. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 00:56:24 UTC
From: Carl
Topic: 1206 Message: 1221

----- Original Message -----
From: Kenneth G. Gordon
To: Bob Macklin
Cc: Glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 6:40 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

On 20 Feb 2012 at 14:54, Bob Macklin wrote:

> Ken,
>
> What time of day do you hear the AM activity on 3880?
>
> The NW AM group used to operate on 3870. That's where I had been
> listening.

Hello again, Bob:

The Montana Traffic Net meets on 3910 at 4:30 PM (until DST starts, when it will be 5:30 PM) daily. I often listen down to the AM windows both before and
after that net. I cannot really recall the times, since I don't have AM capability
here at the moment.

I also meet the Idaho FARM net (sometimes) on 3937 at 6:00 PM PST, and often listen to the AM boys both before and after that.

And you're right: it was 3870, although I do hear carriers, and oftentimes, conversation on 3880 especially from California after it gets dark here.

As I said, I cannot recall the exact times: I just listen around for them.

I do have an old working DX-35 here which I could connect to my SB-200 linear amp, but at the moment I am not set up for full AM operation. The receiver I would use is my HQ-110 in any case.

For 160, I have the TS-820S which will do AM of a sort.

I listen to 160 periodically, and have often heard AM on that band too.

Ken W7EKB

What happened to the TS-940?

Carl

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4821 - Release Date: 02/20/12

1222. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 01:58:48 UTC
From: Glen Zook
Topic: 1206 Message: 1222

And on 7290 kHz on the 40-meter band.

Glen, K9STH

Website: http://k9sth.com

From: Bob Macklin <macklinbob@...>
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 3:50 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

Most of the AM activity is on 160 and
80.

There used to be activity here in the Pacific
Northwest but I have not been able to hear any of it.

Go here and you may be able to find some
help:
http://amfone.net/Amforum/index.php

Bob Macklin
K5MYJ
Seattle, Wa.
"Real
Radios Glow In The Dark"

----- Original Message -----
>From: Benoît Mangin
>To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ; do5dgh_georg@... ; mwcircle@yahoogroups.com ; glowbugradio@yahoogroups.com ; glowbugsmailinglist@yahoogroups.com ; longwaveradiostationlistening@yahoogroups.com ; mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com
>Sent: Monday, February 20, 2012 1:38 PM
>Subject: [glowbugradio] Amateur radio amplitude modulation
>
>
>I am just beginning to discover the possibilities of Amateur radio AM operation. Does anybody of you occasionaly or even regularly practise AM QSOs ?
>
>
>If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ? Preferred periods ? Do networks or ladder QSOs exist ?
>
>
>How abt the necessary gear ? What about Hi-Fi audio AM ?

>
>
>The subject being a bit OT, you can answer me if you want via direct mail adress:
mangin.benoit@....
>
>
>As very few hams do practise AM in my country, I'm a bit lonely and need the tutelage of
AM-experimented Hams.

1223. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 02:03:29 UTC
From: Barrie Smith
Topic: 1206 Message: 1223

Hello Macklin:

Recently, I posted a short message to another group where I stated that I (and two other young boys) had travelled, via Greyhound, from Spokane, Washington to Seattle, to take our novice tests at the FCC office there.

That is what we did, in the early 1950s, period.

You promptly posted that I was a liar, that the FCC didn't give novice tests.

Your reasoning was that you had taken your novice test in 1957, not at an FCC office.

What the hell does 1957 have to do with 1951, idiot?

I very much resent you calling me a liar.

I find your posts on several sites to be whinny, hot-air and lacking in content.

I get to Seattle a couple of times a year to visit one of our sons. Perhaps I should pay you a visit?

If you can't hear the PNW 3870 AM group, perhaps you need a better crystal set.

NO 73, W7ALW

1224. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 02:12:12 UTC
From: Carl
Topic: 1206 Message: 1224

Most of the 40M AM activity I hear is around 7160 and lower often working DX.
K1JJ has 3/3/3 full size on a 300' tower fixed on Europe....Im a piker with just a 2/2 Cushcraft homebrew clone but rotatable.

Carl
KM1H

----- Original Message -----
From: Glen Zook
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 8:58 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

And on 7290 kHz on the 40-meter band.

Glen, K9STH

Website: http://k9sth.com

From: Bob Macklin <macklinbob@...>
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 3:50 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

Most of the AM activity is on 160 and 80.

There used to be activity here in the Pacific Northwest but I have not been able to hear any of it.

Go here and you may be able to find some help:
http://amfone.net/Amforum/index.php

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Benoît Mangin
To: longwaveradiostationlistening@yahoogroups.com ; 160M@yahoogroups.com ; do5dgh_georg@... ; mwcircle@yahoogroups.com ; glowbugradio@yahoogroups.com ; glowbugsmailinglist@yahoogroups.com ; longwaveradiostationlistening@yahoogroups.com ; mwdx@yahoogroups.com ; newoldstock@yahoogroups.com ; RealDX@yahoogroups.com
Sent: Monday, February 20, 2012 1:38 PM
Subject: [glowbugradio] Amateur radio amplitude modulation

I am just beginning to discover the possibilities of Amateur radio AM operation. Does anybody of you occasionaly or even regularly practise AM QSOs ?

If yes, I'll have to ask a few questions: QRGs (Particularly on low bands, mostly 160m) ? Preferred periods ? Do networks or ladder QSOs exist ?

How abt the necessary gear ? What about Hi-Fi audio AM ?

The subject being a bit OT, you can answer me if you want via direct mail adress: mangin.benoit@....

As very few hams do practise AM in my country, I'm a bit lonely and need the tutelage of AM-experimented Hams.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4822 - Release Date: 02/20/12

1225. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 02:14:10 UTC
From: Carl
Topic: 1206 Message: 1225

Lets not bring a pissin contest from elsewhere to here guys.
Thanks.

Carl
KM1H

----- Original Message -----
From: Barrie Smith
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 9:03 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

Hello Macklin:

Recently, I posted a short message to another group where I stated that I (and two other young boys) had travelled, via Greyhound, from Spokane, Washington to Seattle, to take our novice tests at the FCC office there.

That is what we did, in the early 1950s, period.

You promptly posted that I was a liar, that the FCC didn't give novice tests.

Your reasoning was that you had taken your novice test in 1957, not at an FCC office.

What the hell does 1957 have to do with 1951, idiot?

I very much resent you calling me a liar.

I find your posts on several sites to be whinny, hot-air and lacking in content.

I get to Seattle a couple of times a year to visit one of our sons. Perhaps I should pay you a visit?

If you can't hear the PNW 3870 AM group, perhaps you need a better crystal set.

NO 73, W7ALW

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4822 - Release Date: 02/20/12

1226. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 04:12:04 UTC
From: Kenneth G. Gordon
Topic: 1206 Message: 1226

On 20 Feb 2012 at 19:56, Carl wrote:

> What happened to the TS-940?

I am not sure yet: power supply voltage is around 30, instead of 28. No smoke, but it simply
stopped outputing any substantial power. Probably lost one or more driver transistors, or if I
am very lucky, one or more of the pass transistors on the AVR board simply opened up.

Although I bought all the stuff to rebuild the AVR board some time ago, I never got a round tuit so never got it done.

I have not had the time to dig into it since, so I have been using the TS-820S in the meantime. Although it is a nice little rig, it isn't anywhere near as capable as the '940.

Sometimes I think I shoulda stuck with the SB-102. ;-)

Ken W7EKB

1227. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 10:36:42 UTC
From: Ken
Topic: 1206 Message: 1227

I don't know Carl...that's what the watt meter was telling me...

The fellow in Finland was running 800w.

Ken
N4zed

----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 7:51 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

More like 600W PEP maybe?

Carl
KM1H

----- Original Message -----
From: Ken
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 6:13 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

I talked to OH1TX back in November on AM...29.055.

I was running about 150 watts output with my TS-870 as the exciter...

That was a great feeling talking to Finland from Georgia using AM and only 150 some odd watts...

Ken
N4zed

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4821 - Release Date: 02/20/12

1228. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 13:53:19 UTC
From: Carl
Topic: 1206 Message: 1228

Unless you have a true PEP meter you are measuring just the carrier power when talking and just pure carrier during tuning.
PEP is 4X the carrier assuming both sidebands, symetrical and 100% modulation.
With negative peak clipping, compression and positive peaks in excess of 100% the PEP increases.

Carl
KM1H

----- Original Message -----
From: Ken
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 21, 2012 5:36 AM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

I don't know Carl...that's what the watt meter was telling me...

The fellow in Finland was running 800w.

Ken
N4zed

----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 7:51 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

More like 600W PEP maybe?

Carl
KM1H

----- Original Message -----
From: Ken
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 6:13 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

I talked to OH1TX back in November on AM...29.055.

I was running about 150 watts output with my TS-870 as the exciter...

That was a great feeling talking to Finland from Georgia using AM and only 150 some odd watts...

Ken
N4zed

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4822 - Release Date: 02/20/12

1229. Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 16:54:02 UTC
From: Ray
Topic: 1206 Message: 1229

I might also add that 15 meters has been good above 21.400
and a lot of the 10 meter bunch has migrated to 15 while
10 has digressed a bit. But when it is open, frequently
I hear European stations on 10 AM with good strength.
I understand there is some am activities on 17 meters
but I have not heard any since I seldom move up out of
the cw band. I used to hear some am activity o/a
14.265 but haven't listened there lately. I prefer the
10 and 15 activity. I usually run a Heathkit Commanche
at about 20 watts on 10 but also use my Icom IC746 pro
at 20-25 watts.
While I don't want to get in the middle of an argument,
I do have a 1951 issue of CQ where the announcement of
the novice license was made and I know of at least one
who took his novice test in the Los Angeles office of the
FCC. So the test was not always given by mail.
Ray, W5XE

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
former cw op USAFSS,kki73, kkj67, kmi66, kmi66a, kge22
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M GQRP 6115,ESX cw 016
ARCI-5784 fp #111 SKCC-1486 NCT2R El Paso,(FAR WEST)TEXAS

1230. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 17:41:22 UTC
From: Carl
Topic: 1206 Message: 1230

Ive made several 17M Q's with an ATC/ART-13 which just barely makes it.

AM seems to be wherever the propagation is these days.

Carl
KM1H

----- Original Message -----
From: Ray
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 21, 2012 11:54 AM
Subject: [glowbugradio] Re: Amateur radio amplitude modulation

I might also add that 15 meters has been good above 21.400
and a lot of the 10 meter bunch has migrated to 15 while
10 has digressed a bit. But when it is open, frequently
I hear European stations on 10 AM with good strength.
I understand there is some am activities on 17 meters
but I have not heard any since I seldom move up out of
the cw band. I used to hear some am activity o/a
14.265 but haven't listened there lately. I prefer the
10 and 15 activity. I usually run a Heathkit Commanche
at about 20 watts on 10 but also use my Icom IC746 pro
at 20-25 watts.
While I don't want to get in the middle of an argument,
I do have a 1951 issue of CQ where the announcement of
the novice license was made and I know of at least one
who took his novice test in the Los Angeles office of the
FCC. So the test was not always given by mail.
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"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
former cw op USAFSS,kki73, kkj67, kmi66, kmi66a, kge22
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M GQRP 6115,ESX cw 016
ARCI-5784 fp #111 SKCC-1486 NCT2R El Paso,(FAR WEST)TEXAS

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4823 - Release Date: 02/21/12

1231. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 17:59:02 UTC
From: D C *Mac* Macdonald
Topic: 1206 Message: 1231

I took my Novice test at the District 20 office in Buffalo, NY o/a 14 Nov 1953. KN2GKK

Sent from was issued onmy iPhone

On Feb 21, 2012, at 10:54, "Ray" <w5xe@att.net> wrote:

> I might also add that 15 meters has been good above 21.400
> and a lot of the 10 meter bunch has migrated to 15 while
> 10 has digressed a bit. But when it is open, frequently
> I hear European stations on 10 AM with good strength.
> I understand there is some am activities on 17 meters
> but I have not heard any since I seldom move up out of
> the cw band. I used to hear some am activity o/a
> 14.265 but haven't listened there lately. I prefer the
> 10 and 15 activity. I usually run a Heathkit Commanche
> at about 20 watts on 10 but also use my Icom IC746 pro
> at 20-25 watts.
> While I don't want to get in the middle of an argument,
> I do have a 1951 issue of CQ where the announcement of
> the novice license was made and I know of at least one
> who took his novice test in the Los Angeles office of the
> FCC. So the test was not always given by mail.
> Ray, W5XE
>
> "Politicians are like nappies. Both should be
> changed regularly -- and for the same reason"
> former cw op USAFSS,kki73, kkj67, kmi66, kmi66a, kge22
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> ARCI-5784 fp #111 SKCC-1486 NCT2R El Paso,(FAR WEST)TEXAS
>
>

1232. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 18:07:56 UTC
From: D C *Mac* Macdonald
Topic: 1206 Message: 1232

To continue what I was trying to say, I had no choice but to go to FCC. I lived closer than 125 airline miles from a quarterly exam point. I eas
15 and had a 70 mile Greyhound ride to the "big city" in a snowsto

Sent from my iPhone

On Feb 21, 2012, at 11:59, "D C *Mac* Macdonald" <k2gkk@hotmail.com> wrote:

> I took my Novice test at the District 20 office in Buffalo, NY o/a 14 Nov 1953. KN2GKK
>
> Sent from was issued onmy iPhone
>
> On Feb 21, 2012, at 10:54, "Ray" <w5xe@att.net> wrote:
>
>>
>> I might also add that 15 meters has been good above 21.400
>> and a lot of the 10 meter bunch has migrated to 15 while
>> 10 has digressed a bit. But when it is open, frequently
>> I hear European stations on 10 AM with good strength.
>> I understand there is some am activities on 17 meters
>> but I have not heard any since I seldom move up out of
>> the cw band. I used to hear some am activity o/a
>> 14.265 but haven't listened there lately. I prefer the
>> 10 and 15 activity. I usually run a Heathkit Commanche
>> at about 20 watts on 10 but also use my Icom IC746 pro
>> at 20-25 watts.
>> While I don't want to get in the middle of an argument,
>> I do have a 1951 issue of CQ where the announcement of
>> the novice license was made and I know of at least one
>> who took his novice test in the Los Angeles office of the
>> FCC. So the test was not always given by mail.
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>> ARCI-5784 fp #111 SKCC-1486 NCT2R El Paso,(FAR WEST)TEXAS
>>
>
>

1233. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 20:39:02 UTC
From: Carl
Topic: 1206 Message: 1233

In September 1955 I took mine on the 3r floor of Bishop Loughlin HS in Brooklyn NY, W2ZLK, and administered by the Brother who was the club trustee. So the rules changed somewhere in that interval.
About 10 months later I took the General at the Manhattan Field Office

Carl
KM1H

----- Original Message -----
From: D C *Mac* Macdonald
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 21, 2012 12:59 PM
Subject: Re: [glowbugradio] Re: Amateur radio amplitude modulation

I took my Novice test at the District 20 office in Buffalo, NY o/a 14 Nov 1953. KN2GKK

Sent from was issued onmy iPhone

On Feb 21, 2012, at 10:54, "Ray" <w5xe@...t> wrote:

I might also add that 15 meters has been good above 21.400
and a lot of the 10 meter bunch has migrated to 15 while
10 has digressed a bit. But when it is open, frequently
I hear European stations on 10 AM with good strength.
I understand there is some am activities on 17 meters
but I have not heard any since I seldom move up out of
the cw band. I used to hear some am activity o/a
14.265 but haven't listened there lately. I prefer the
10 and 15 activity. I usually run a Heathkit Commanche
at about 20 watts on 10 but also use my Icom IC746 pro
at 20-25 watts.
While I don't want to get in the middle of an argument,
I do have a 1951 issue of CQ where the announcement of
the novice license was made and I know of at least one
who took his novice test in the Los Angeles office of the
FCC. So the test was not always given by mail.
Ray, W5XE

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
former cw op USAFSS,kki73, kkj67, kmi66, kmi66a, kge22
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M GQRP 6115,ESX cw 016
ARCI-5784 fp #111 SKCC-1486 NCT2R El Paso,(FAR WEST)TEXAS

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4823 - Release Date: 02/21/12

1234. Re: [glowbugradio] Re: Novice licenses...

Yahoo group: glowbugradio
Date: 2012-02-21 21:03:27 UTC
From: Kenneth G. Gordon
Topic: 1206 Message: 1234

On 21 Feb 2012 at 15:39, Carl wrote:

> In September 1955 I took mine on the 3r floor of Bishop Loughlin HS in
> Brooklyn NY, W2ZLK, and administered by the Brother who was the club
> trustee. So the rules changed somewhere in that interval. About 10
> months later I took the General at the Manhattan Field Office

Since we lived over 300 miles from the nearest quarterly examining point, Seattle, WA, I took my Novice by mail, administered by my favorite "Elmer", Woody Davey, W7CJB, in early 1956 while I was still 13.

Took my Conditional from him a little over a year later.

Drove to Seattle in early 1960 to take my Extra, 1st Class Phone, and 2nd Class telegraph all on the same day. The Extra was the most difficult of the three.

Ken W7EKB

1235. Re: [glowbugradio] Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 22:28:23 UTC
From: Ken
Topic: 1206 Message: 1235

Thanks Carl, I'll check it with my scope next time I get on AM....That's an excersize I haven't done in a while any-who.

Ken
N4zed

----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 21, 2012 8:53 AM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

Unless you have a true PEP meter you are measuring just the carrier power when talking and just pure carrier during tuning.
PEP is 4X the carrier assuming both sidebands, symetrical and 100% modulation.
With negative peak clipping, compression and positive peaks in excess of 100% the PEP increases.

Carl
KM1H

----- Original Message -----
From: Ken
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 21, 2012 5:36 AM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

I don't know Carl...that's what the watt meter was telling me...

The fellow in Finland was running 800w.

Ken
N4zed

----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Monday, February 20, 2012 7:51 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

More like 600W PEP maybe?

Carl
KM1H

----- Original Message -----
From: Ken
To: glowbugradio@yahoogroups.com

Sent: Monday, February 20, 2012 6:13 PM
Subject: Re: [glowbugradio] Amateur radio amplitude modulation

I talked to OH1TX back in November on AM...29.055.

I was running about 150 watts output with my TS-870 as the exciter...

That was a great feeling talking to Finland from Georgia using AM and only 150 some odd watts...

Ken
N4zed

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Version: 10.0.1424 / Virus Database: 2112/4821 - Release Date: 02/20/12

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4822 - Release Date: 02/20/12

1236. Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 23:45:42 UTC
From: davidpnewkirk
Topic: 1206 Message: 1236

--- In glowbugradio@yahoogroups.com, "Carl" <km1h@...> wrote:
>
> In September 1955 I took mine on the 3r floor of Bishop Loughlin HS in Brooklyn NY, W2ZLK, and administered by the Brother who was the club trustee. So the rules changed somewhere in that interval.
> About 10 months later I took the General at the Manhattan Field Office

The second paragraph of the editorial in June 1954 _QST_, "It's Our Job Now," begins, "As reported in detail in last month's _
QST_, Novice and Technical exams will henceforth be given only through the mail procedure. To put it more directly in terms of what it means to us amateurs: Future applicants for Novice and Technical licenses will never see an FCC man. Their license examinations, both code and theory, will be conducted by us. We will administer the code test and supervise the written examination, certifying that it was conducted according to the rules."

My favorite FCC examiner story is one of my dad's. Not long after WW2, he passed the sending portion of the 2nd-class radiotelegraph exam at FCC in Chicago using the two forefingers-on-the-straight-key technique he had developed for fast sending in the absence of a bug. Two decades later, band shrinkage in the face of incentive licensing looming, he again went downtown and attacked the sending portion of the Extra exam with the same approach. As the distinctive swing of his two-fisted code began to echo around the room, an examiner leaned out of an adjoining office and exclaimed, "It's _him_!"

Best regardses,

Dave
amateur radio W9VES

1237. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-21 23:57:32 UTC
From: Kenneth G. Gordon
Topic: 1206 Message: 1237

On 21 Feb 2012 at 23:45, davidpnewkirk wrote:

>
> Best regardses,

Hee hee!!!! And 73seseseseses to you too. :-)

Ken W7EKB

1238. FYI - Noise meters

Yahoo group: glowbugradio
Date: 2012-02-22 00:18:27 UTC
From: Kenneth G. Gordon
Topic: 1238 Message: 1238

I have several models of the Stoddart "Noise Meters" with their shielded loops here. There are three loops for each receiver: one is 1 inch in diameter, a second one is 6 inches in diameter and the third one is 3 feet in diameter.

They use twin-ax to connect to the "Noise Meter"s.

I also have large, wooden tripods on which to mount the loops, and carrying cases for all the accessories.

These so-called "Noise Meters" are in actuality extremely high quality receivers which include very accurately calibrated signal strength meters.

Every manual I have for each version of these receivers explains in excruciating detail how to measure field strength, field patterns, and ERP.

The receivers I own cover from 30 Hz through 10,000 MHz, which is practically from DC to daylight.

I am missing the model that covers down to 3 Hz (!) and the one that covers from 10 KMHz to 30KMHz. (Drat!)

All of these receivers are tube-based.

The one I particularly like is the NM-20(*) which covers 150 KHz through 25 MHz, and includes a tunable BFO and variable selectivity. The tubes in it are all battery-types, and it has provision for internal batteries, although it also has an external AC supply in which all voltages are regulated.

I have quite a number of the AN/URM-6, which is the Navy version of the Stoddart NM-10 model Noise Meter. It covers from 14 through 250 KHz. I have at least two complete sets, and several receivers which do not include the accessories.

I am not quite sure what to do with them, but they are far to beautifully made to either throw away or to cannibalize.

Nonetheless, I will probably do one or the other with at least some of them.

I have a very bad case of TMJ (Too Much Junque) here... :-(

Ken W7EKB

1239. Re: [glowbugradio] Re: Novice licenses...

Yahoo group: glowbugradio
Date: 2012-02-22 02:16:19 UTC
From: Carl
Topic: 1206 Message: 1239

About a year after passing the General I was back in Lower Manhattan for the same round of commercial tickets. Never ysed the Telegraph so that expired but a friend of a friend got me in as a part time weekend evening to sign-off engineer at 250W WGBB in Freeport NY which was about a 3 block walk from the stock car track where I drove Saturday nights.
Run a heat, jog to the station, check things out, do the log and jog back for another heat or two if I had a good car and reflexes. The races were over by 11 by town rules so I had an hour before sign off to BS and then get back. This went on for 2 racing seasons but I also worked at the station the rest of the year.
One huge surprise was a few years later while in the Navy I tuned the RBB to 1240 and there was WGBB about 3/4 scale on the meter and this was about 500 miles SE of Charleston SC. I mailed a letter to the station owner who wrote back that it was read over the air during a few news broadcasts.

Never went back and was discharged in Norfolk, VA and headed NE to a new life at National Radio. A year later my dad retired and he and mom moved to Hendersonville NC.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 21, 2012 4:03 PM
Subject: Re: [glowbugradio] Re: Novice licenses...

On 21 Feb 2012 at 15:39, Carl wrote:

> In September 1955 I took mine on the 3r floor of Bishop Loughlin HS in
> Brooklyn NY, W2ZLK, and administered by the Brother who was the club
> trustee. So the rules changed somewhere in that interval. About 10
> months later I took the General at the Manhattan Field Office

Since we lived over 300 miles from the nearest quarterly examining point,
Seattle, WA, I took my Novice by mail, administered by my favorite "Elmer",
Woody Davey, W7CJB, in early 1956 while I was still 13.

Took my Conditional from him a little over a year later.

Drove to Seattle in early 1960 to take my Extra, 1st Class Phone, and 2nd
Class telegraph all on the same day. The Extra was the most difficult of the
three.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1424 / Virus Database: 2112/4823 - Release Date: 02/21/12

1240. Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 02:47:00 UTC
From: N2EY@aol.com
Topic: 1240 Message: 1240

The Novice license was created in 1951 as part of the restructuring of that year which also gave us the Technician and Extra, and renamed the old ABC licenses.

At the time, all US amateur radio license exams were given at FCC exam locations, UNLESS:

1) the examinee lived more than 125 miles from an exam location where exams were given 4 or more times per year

and/or

2) the examinee was a "shut in" (disabled in such a way that getting to an exam location was a major issue).

The 125 mile distance was "air-line" distance (straight line on a map), not road or rail distance. And if an amateur moved to within 125 miles of an exam location where exams were given 4 or more times per year, and/or recovered his/her health, s/he had 90 days to show up at an FCC exam location to retest, or lose the license.

Those who qualified per the above could take the Novice,Technician and Conditional/Class C exams "by mail". They didn't have to test by mail, but they could.

The Advanced/Class A and Extra exams could not be taken "by mail".

Exams passed "by mail" carried no credit towards an upgrade. For example, a Conditional who wanted an Extra would first have to pass the Tech/General/Conditional written all over again, and the code, before trying the Extra.

This was just a continuation of the system already in place for the Class C/Conditional license.

But less than three years later, on June 10, 1954, the rules changed dramatically. On that date, the FCC made all routine Novice and Technician exams by-mail ONLY, regardless of distance to an FCC exam location. You could live across the street from the biggest FCC exam location in the USA, and you still had to do the by-mail thing for Novice or Technician.

Also on that date, the distance for the Conditional was reduced from 125 to 75 miles.

The reason for the changes was that FCC exam locations were being flooded with prospective hams, and FCC couldn't keep up with the demand.

That's the history. See QST for May, 1954.

73 de Jim, N2EY

1241. Re: [glowbugradio] Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 03:11:28 UTC
From: lee
Topic: 1240 Message: 1241

All below is correct. In my case I took the Novice test at the Federal building in Milwaukee. it was an outpost for the FCC office in Chicago. They came from Chicago to Milwaukee either once a year or maybe twice a year to give tests. I can't remember if they did it once or twice per year. But I did take the test in Milwaukee in October, 1953. Then in March, 1954 I took a train from Milwaukee to Chicago to take the General test. I was a young lad in my Freshman High school years and needed permission from the school to take off that day. Interesting my call was WN9DRC and Terry Sterman who was my age took his Novice test the same day I did and got WN9DIA. Terry started Amateur Electronic Supply on a card table in his Dad's appliance store in Fond du lac, Wisconsin. I later got my Extra while living in Chicago around 1976.

Lee, w0vt

From: N2EY@...
Sent: Tuesday, February 21, 2012 8:47 PM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Here's what REALLY happened with the Novice license....

The Novice license was created in 1951 as part of the restructuring of that year which also gave us the Technician and Extra, and renamed the old ABC licenses.

At the time, all US amateur radio license exams were given at FCC exam locations, UNLESS:

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and/or

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The reason for the changes was that FCC exam locations were being flooded with prospective hams, and FCC couldn't keep up with the demand.

That's the history. See QST for May, 1954.

73 de Jim, N2EY

1242. Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-22 13:34:22 UTC
From: davidpnewkirk
Topic: 1206 Message: 1242

Shoulda said "best best regardses", but you got it.

That's a joke within a joke for me. If you visit Bob Green's http://oldqslcards.com/ and in that page click the "ARRL and W1AW" link--the URL for which is so long that Yahoo's lame post editor will probably bust it--you'll be viewing a Google+ page of his that's full of W1AW-related QSL card pics. One of those pics--click it to see it in full--is Hiram Percy Maxim's 1AW QSL from 1923 or so. And just above its signature blank is the short sentence

Best 73's.

Let the nerds again fail to pick up essential social cues and vibrate in their chairs in rage! Let the perpetual hereditary ham semantics argument begin!

Or not. If "73s"--I happen not to agree that an apostrophe is necessary when forming plurals of numbers used as words, but if italics for "73" are unavailable, I sorta kinda agree with the '--was good enough for T.O.M., it's good enough for me. He understood, as I do, that when one is writing a friend or specifying copy for a QSL card, he is not actually using the Phillips Code in a communication circuit, but (in the case of 73) is using a particular element of that Code that had passed into his subculture's jargon as a standalone English noun. A noun in English we know without thinking about it is singular and adjectiveless by default whatever its internal back story may be or have been, and when so it's time to pluralize that noun, we add s or es. So "best regards" ends up encoded in the noun _73_ merely as "regard", leading the father of the American Radio Relay League, fluent in English as he was, to offer his correspondents numerical best regards with "Best 73's."

So, as a Gil cartoon conveying one of the finer points of traffic handling ("It doesn't have to make sense") put it, "Having a wish time, fine you were glibbed."

Regard,

Dave
amateur radio W9VES
where Amateur Radio As We Know It Today comes to an end at midnight tonight

PS: The Strays kitties were originated by Harry R. Hick, not Gil. Gadzooks!

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:
>
> On 21 Feb 2012 at 23:45, davidpnewkirk wrote:
>
> > >
> > > Best regardses,
>
> Hee hee!!!! And 73seseseseses to you too. :-)
>
> Ken W7EKB

>

1243. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-22 14:09:05 UTC
From: Paul Christensen
Topic: 1206 Message: 1243

It's a silly argument today that often repeats itself among ops who believe their writing skills are superior to others. I have a large collection of QSL cards dating back to 1921. Most cards from that decade display "73's," or "Best 73's." On the other hand, I have a card from Matty Mathews, 9ZN, where he uses "Best of 73." That card is dated from early 1922.

Regarding the use of an apostrophe when using numbers: I had an MBA professor who deducted points when using an apostrophe after the number, particularly with dates. I believe generally accepted use includes, for example, "In the 1920s, ..." or "In the '20s, ..." but never "In the 20's, ..." since the use of an apostrophe is possessive or plural-possessive. I suppose a date could be used possessively, but I can't think of an example.

73, and 73's to all!

Paul, W9AC

1244. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-22 14:56:44 UTC
From: David Newkirk
Topic: 1206 Message: 1244

How about

1912's paradoxical gift to amateur radio was the confinement of standard amateur operations to wavelengths below 200 meters.

:-)

BTW, we can be glad that low friends in high places among the Feds were reasonably pro amateur radio as the shift from spark to CW began. It seems to me that if the engineering spirit behind limiting ham input power to 1 kW max--a stipulation from the spark-centric 1912 regs--had been revisited as we moved to CW and spark was sunsetted by failing to authorize it in the 1924-new bands at 80, 40, 20 and 10 meters, the Feds might way have limited our max CW input to a fraction of 1 kW, maybe 250 W or even 100 W, considering the greater efficiency of CW transmitters and how much better CW signals "got through" relative to spark. But until reasonable transmitting tubes came in after WW1, only superentities capable of fielding such marvels as the big Federal Telegraph arc rigs had experience with the true communications value of CW.

On Wed, Feb 22, 2012 at 9:09 AM, Paul Christensen <w9ac@...> wrote:

> **
>
>
> **
> It's a silly argument today that often repeats itself among ops who
> believe their writing skills are superior to others. I have a large
> collection of QSL cards dating back to 1921. Most cards from that decade
> display "73's," or "Best 73's." On the other hand, I have a card from
> Matty Mathews, 9ZN, where he uses "Best of 73." That card is dated from
> early 1922.
>
> Regarding the use of an apostrophe when using numbers: I had an MBA
> professor who deducted points when using an apostrophe after the number,
> particularly with dates. I believe generally accepted use includes, for
> example, "In the 1920s, ..." or "In the '20s, ..." but never "In the
> 20's, ..." since the use of an apostrophe is possessive or
> plural-possessive. I suppose a date could be used possessively, but I
> can't think of an example.
>
> 73, and 73's to all!
>
> Paul, W9AC
>
>

>

--
David Newkirk
david.newkirk@...

1245. Re: [glowbugradio] Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 15:57:59 UTC
From: Rod Hogg
Topic: 1240 Message: 1245

It is interesting about the Novice license, personal stories and history, BUT does not really add much to the 'glowbugradio' nature of things.

There is a new website that is dedicated to Novice history, where one can share their experiences and read of others. Some might try that out in lieu of 'clogging up' the glowbug box, esp when the original content is not deleted.

The site is: www.NOVICEhistory.org

Just my thoughts.

Rod
KØEQH

1246. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-22 16:29:23 UTC
From: Carl
Topic: 1206 Message: 1246

Since I was not an English major or a law student (-; I'll stick to what I like. Best 73's from a product of the 40's.

Carl
KM1H

----- Original Message -----
From: Paul Christensen
To: glowbugradio@yahoogroups.com
Sent: Wednesday, February 22, 2012 9:09 AM
Subject: Re: [glowbugradio] Re: Amateur radio amplitude modulation

It's a silly argument today that often repeats itself among ops who believe their writing skills are superior to others. I have a large collection of QSL cards dating back to 1921. Most cards from that decade display "73's," or "Best 73's." On the other hand, I have a card from Matty Mathews, 9ZN, where he uses "Best of 73." That card is dated from early 1922.

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73, and 73's to all!

Paul, W9AC

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2113/4825 - Release Date: 02/22/12

1247. Re: [glowbugradio] Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 16:35:13 UTC
From: Carl
Topic: 1240 Message: 1247

I have no problem with the discussion so why do you?

Carl
KM1H

----- Original Message -----
From: Rod Hogg
To: glowbugradio@yahoogroups.com
Sent: Wednesday, February 22, 2012 10:57 AM
Subject: Re: [glowbugradio] Novice license....

It is interesting about the Novice license, personal stories and history, BUT does not really add much to the 'glowbugradio' nature of things.

There is a new website that is dedicated to Novice history, where one can share their experiences and read of others. Some might try that out in lieu of 'clogging up' the glowbug box, esp when the original content is not deleted.

The site is: www.NOVICEhistory.org

Just my thoughts.

Rod
KØEQH

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2113/4825 - Release Date: 02/22/12

1248. Re: [glowbugradio] Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 16:56:38 UTC
From: Rod Hogg
Topic: 1240 Message: 1248

Didn't say was a 'problem' just that some do not delete the original posts and really eats up space, AND, 'maybe' more nostolgia could be gained from a site dedicated to such.

Rod

--- On Wed, 2/22/12, Carl <km1h@jeremy.mv.com> wrote:

From: Carl <km1h@...>
Subject: Re: [glowbugradio] Novice license....
To: glowbugradio@yahoogroups.com
Date: Wednesday, February 22, 2012, 10:35 AM

I have no problem with the discussion so why do you?

Carl
KM1H

1249. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-22 17:20:15 UTC
From: Ronnie Hull
Topic: 1206 Message: 1249

I Always say 73's, always have always well, it has always pissed off a certain someone and well, he can just be pissed off.

73'sssssssssssss y'all

W5SUM

1250. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-22 17:21:16 UTC
From: Ronnie Hull
Topic: 1206 Message: 1250

good for you Carl!! Best of 73's to you too pard!

Ronnie

1251. Re: [glowbugradio] Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 17:27:53 UTC
From: L L bahr
Topic: 1240 Message: 1251

Yes you said you had a problem with it and suggested the topic be taken to another list! You even gave the URL for another list. You made no complaint about stripping e-mails to make them shorter as you know are saying. Personally, I found the topic most interesting and a refreshing change of pace on here. Sounds like you are now changing your story and trying to put some "spin" on your complaint.

Lee, w0vt

----- Original Message -----

Didn't say was a 'problem' just that some do not delete the original posts and really eats up space, AND, 'maybe' more nostolgia could be gained from a site dedicated to such.

Rod

1252. Re: [glowbugradio] Re: Amateur radio amplitude modulation

Yahoo group: glowbugradio
Date: 2012-02-22 18:05:22 UTC
From: Kenneth G. Gordon
Topic: 1206 Message: 1252

On 22 Feb 2012 at 9:09, Paul Christensen wrote:

> It's a silly argument today that often repeats itself among ops who
> believe their writing skills are superior to others.

Absolutely correct.

I just find it fun to discuss this sort of thing to see what appears out of the woodwork.

I also find David's sense of humor to be very surprising and enjoyable.

We ALL need to lighten up...a lot. :-)

vy, vy 73seseseses to all (Hee hee!)

Ken W7EKB

1253. Re: [glowbugradio] Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 19:22:03 UTC
From: Kenneth G. Gordon
Topic: 1240 Message: 1253

> Exams passed "by mail" carried no credit towards an upgrade. For
> example, a Conditional who wanted an Extra would first have to pass
> the Tech/General/Conditional written all over again, and the code,
> before trying the Extra.

Yes. When I took my Extra in the early 1960s, I had to take all lower-grade exams and pass them before I got to the Extra.

Since I also took the 1st phone and 2nd telegraph the same day, I started my exams when the FCC office in Seattle opened, 8:00 AM I think, and didn't get out of there until just before closing time at 5:00 PM, and had a massive headache by then.

Ken W7EKB

1254. Re: [glowbugradio] Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 21:27:09 UTC
From: N2EY@aol.com
Topic: 1240 Message: 1254

-----Original Message-----
From: Kenneth G. Gordon <kgordon2006@frontier.com>

>> Exams passed "by mail" carried no credit towards an upgrade. For
>> example, a Conditional who wanted an Extra would first have to pass
>> the Tech/General/Conditional written all over again, and the code,
>> before trying the Extra.

>Yes. When I took my Extra in the early 1960s, I had to take all lower-grade
>exams and pass them before I got to the Extra.

>Since I also took the 1st phone and 2nd telegraph the same day, I started my
>exams when the FCC office in Seattle opened, 8:00 AM I think, and didn't
>get out of there until just before closing time at 5:00 PM, and had a massive
>headache by then.

>Ken W7EKB

I've got a headache just thinking about that!
Did the same code tests count for the Extra and Second Telegraph?

Related issue......
I wonder if it ever happened that a "by-mail" ham went to an FCC office for an upgrade (say, from old Class C to Class A, or from Technician to General) and *failed* a test element that had been previously passed "by mail". If that happened, would FCC suspend or revoke the license? In those days you couldn't immediately retest; there was a waiting period (30 days IIRC).
I do know that, in the VEC era, FCC has called in some licensees for retest when there was a clear reason to doubt that they had passed the tests legitimately in front of VEs. In some cases, the licensees retested with no problem, in others they failed the retest, and in still others they never showed up. The latter two groups had their licenses revoked.
73 de Jim, N2EY

–

1255. Re: [glowbugradio] Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 22:06:50 UTC
From: Kenneth G. Gordon
Topic: 1240 Message: 1255

On 22 Feb 2012 at 16:27, N2EY@... wrote:

> >Since I also took the 1st phone and 2nd telegraph the same day, I
> >started my exams when the FCC office in Seattle opened, 8:00 AM I
> >think, and didn't get out of there until just before closing time at
> >5:00 PM, and had a massive headache by then.
>
> >Ken W7EKB
>
> I've got a headache just thinking about that!
> Did the same code tests count for the Extra and Second Telegraph?

Yes, thank Heavens...

Ken W7EKB

1256. Re: [glowbugradio] Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-22 22:19:17 UTC
From: David Newkirk
Topic: 1240 Message: 1256

Took my second telegraph in Seattle as well, in 1983. Wish I hadn't let it lapse, but still have the wallpaper. By then it was a history exam.

On Wed, Feb 22, 2012 at 2:22 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

> **
>
>
> > Exams passed "by mail" carried no credit towards an upgrade. For
> > example, a Conditional who wanted an Extra would first have to pass
> > the Tech/General/Conditional written all over again, and the code,
> > before trying the Extra.
>
> Yes. When I took my Extra in the early 1960s, I had to take all
> lower-grade
> exams and pass them before I got to the Extra.
>
> Since I also took the 1st phone and 2nd telegraph the same day, I started
> my
> exams when the FCC office in Seattle opened, 8:00 AM I think, and didn't
> get out of there until just before closing time at 5:00 PM, and had a
> massive
> headache by then.
>
> Ken W7EKB
>
>
>

--
David Newkirk
david.newkirk@...

1257. Re: [glowbugradio] Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-23 00:00:21 UTC
From: Kenneth G. Gordon
Topic: 1240 Message: 1257

On 22 Feb 2012 at 17:19, David Newkirk wrote:

> Took my second telegraph in Seattle as well, in 1983. Wish I hadn't
> let it lapse, but still have the wallpaper. By then it was a history
> exam.

It was for me in the early 1960s.

I have let my 2nd Telegraph (and 1st phone) lapse too. Kinda wish I hadn't let the 2nd Telegraph lapse.

According to David Ring (forgot his call) the 2nd Telegraph can still be gotten.

I have toyed with the idea of going and getting it again...

Too bad the 1st Telegraph is only available after a 2nd has spent 6 months at sea on a ship.

Ken W7EKB

1258. Re: [glowbugradio] Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-23 00:34:09 UTC
From: Charles MacDonald
Topic: 1240 Message: 1258

On 12-02-22 07:00 PM, Kenneth G. Gordon wrote:

> Too bad the 1st Telegraph is only available after a 2nd has spent 6 months
> at sea on a ship.
>

Might be hard to keep your code speed up in a 6 month sailing these days.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://users.trytel.com/~cmacd/tubes.html
No Microsoft Products were used in sending this e-mail.

1259. Re: Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-23 03:33:52 UTC
From: davidpnewkirk
Topic: 1240 Message: 1259

--- In glowbugradio@yahoogroups.com, N2EY@... wrote:

> I've got a headache just thinking about that!
> Did the same code tests count for the Extra and Second Telegraph?

I've just been looking at FCC's basics on the T2 at
http://wireless.fcc.gov/commoperators/index.htm?job=t2

To answer your question, Jim, by statute I think they could not. The code qualifications for the T2 are:

Element 1 - 16 code groups per minute.
Element 2 - 20 words per minute.

"Telegraphy exams may consist of both transmitting and receiving tests or just a receiving test. Although the FCC rules provide that passing a telegraphy receiving examination is adequate proof of an examinee's ability to both send and receive telegraphy, a COLEM may nonetheless include a sending segment in a telegraphy examination. Examinees must copy by ear and, if subject to a sending test, send by hand plain text and code groups in the international Morse code using all the letters of the alphabet, numerals 0-9, period, comma, question mark, slant mark, and prosigns AR, BT, and SK. Examinees must copy and send at the required speeds for one continuous minute without making any errors. Each test lasts approximately five minutes. The failing of any code test automatically terminates the examination. Code speeds are computed using five letters per word or code group. Punctuation symbols and numbers count as two letters each."

From that paragraph it dawns on us that what those Element callouts up there don't reveal is that Element 2 is based on plain text and Element 1 is based on five-letter cipher groups. No anticipating or copying behind on gibberish. I was tested in sending and receiving, my lady code examiner standing over me with a stopwatch--no pressure there!

As I studied for the T2, I was also toying--as a result of having access to Seattle's multiple excellent used-book stores--with taking a _true_ history test: Element 7, Aircraft Radiotelegraphy. The arcane study material for that included instruction on calculating running compass bearings, and required memorization of a second tier of specific-to-aviation (and now entirely obsolete) Q signals, my favorite of which was QAK (collision imminent). But Element 7 testing was eliminated a few weeks before I sat for the T2 in 1983.

What about non-maritime uses for a T2? I know of one intimately, because my dad had to hold a T2 to qualify for employment at Illinois State Police District 3 in Chicago. The necessity for the T2 came from interzone CW, the nationwide system of interstate state police communication at MF (lowest frequency between 2 and 3 MHz) and HF (highest frequency, just below 8 MHz) that I mentioned in this forum last December. My dad's boss from the 1940s to 1960 was Ero Erickson, W9HPJ (later KA9DYS after he accidently let HPJ lapse), the father of interzone CW. You can see a 1947 photo of the District 3 crew in the page at http://www.msprg.com/MSPRG/Other%20Agencies/Illinois/Illinois.htm . Twenty-two

years later, a later District 3 op, John Rosenbery, W9PBI, would teach me his crystal-grinding technique on a card table behind that operating console, by then reoriented and remodeled. All the ops' commercial tickets--phone only for a VHF-FM-only few, phone and T2 for the core crew (Erickson held a T1 thanks to his days as a sparks on the Great Lakes) were available in framed-behind-glass flipbook fashion in the District 3 radio room.

I regret not having sat for the First Phone while it was available; did get the Second Phone (with ship radar endorsement, woo hoo), which with a later stroke of the bureaucratic pen automagically morphed into the expires-when-I-do General Radiotelephone. I treasure my expired T2 far more; to me it will always be the Extra Extra: a license to love CW.

Best regards,

Dave
amateur radio W9VES

1260. Re: Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-23 04:02:18 UTC
From: davidpnewkirk
Topic: 1240 Message: 1260

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:
>
> On 22 Feb 2012 at 16:27, N2EY@... wrote:
>
> > >Since I also took the 1st phone and 2nd telegraph the same day, I
> > >started my exams when the FCC office in Seattle opened, 8:00 AM I
> > >think, and didn't get out of there until just before closing time at
> > >5:00 PM, and had a massive headache by then.
> >
> > >Ken W7EKB
> >
> > I've got a headache just thinking about that!
> > Did the same code tests count for the Extra and Second Telegraph?
>
> Yes, thank Heavens...

I think the way it worked, which I recall had to be built into Part 97 (the ham regs) explictly, was that if you'd passed Element 2 for the T2, you'd get credit for the Extra Class code. No hammy code element would've sufficed to save you from having to sit for T2's Element 1--16 WPM cipher groups, receiving and, even nowadays, maybe sending as well. Or perhaps Element 2 was common to both tickets; don't have a license manual of the period handy.

BTW, can still recall the code for (and) and :; would need to brush up on the semicolon, though (think it's the period with an extra dot). Think $ was sent as overscore SX. Now _I'm_ the nerd failing to heed essential social cues...

BTW, am I the only one who was bugged by W6OWP's code practice style of sending end-of-sentence punctuation preceded by a space, as in

blotto .

? I bleated about that to my dad and he said it was the old-fashioned, prewar way of doing it; really surprised that the ARRL Communication Department hadn't rein him in on that practice, as on my more youthful watch W1AW has always left such spaces out. When I lived in Seattle (AK7M) with W1AW availability ongoingly iffy at best, I tried to qualify at 35 WPM with OWP in the early 80s but gave up after a few tries because those darned pre-terminal-punctuation spaces rattled me every time.

Sven D. Trees,

Dave
amateur radio W9VES

1261. [glowbugradio] Re: Here's what REALLY happened with the Novice license....

Yahoo group: glowbugradio
Date: 2012-02-23 04:10:19 UTC
From: Theosleaper
Topic: 1240 Message: 1261

In the early 1960's, A General Class holder gave me the code test and my Dad gave me the written. I passed my Novice tests. I was living about 12 miles west of the Boston FCC Office and had no handicaps. These were not conditional Exams.

Rick, K1WYH

1262. Re: [glowbugradio] Re: 2nd Telegraph

Yahoo group: glowbugradio
Date: 2012-02-23 05:43:08 UTC
From: Kenneth G. Gordon
Topic: 1240 Message: 1262

On 23 Feb 2012 at 4:02, davidpnewkirk wrote:

>Did the same code tests count for the Extra and Second Telegraph?
> > Yes, thank Heavens...
>
> I think the way it worked, which I recall had to be built into Part 97
> (the ham regs) explictly, was that if you'd passed Element 2 for the
> T2, you'd get credit for the Extra Class code. No hammy code element
> would've sufficed to save you from having to sit for T2's Element
> 1--16 WPM cipher groups, receiving and, even nowadays, maybe sending
> as well. Or perhaps Element 2 was common to both tickets; don't have a
> license manual of the period handy.

All I can remember at this late date was that1) I was able to use my old MacKey that I had brought with me for the sending tests, and 2) I only had to do the code tests once for both licenses, not twice.

I also remember an old Sparks who was there to retake his license as he had accidently let it lapse. He sent 20 wpm with a straight-key by holding his index and middle fingers together flat and "patting" the key with them. I had never seen anything like that before. Of course, he passed with no problem at all. We were the only two to take the 20 wpm code test.

I was listening to W1AW's code practice the other day: 30 wpm is no sweat, but 35 is work, and 40 wmp is VERY hard work! :-(

Ken W7EKB

1263. Re: [glowbugradio] Re: 2nd Telegraph

Yahoo group: glowbugradio
Date: 2012-02-23 14:04:00 UTC
From: Jim
Topic: 1240 Message: 1263

Hmm, that's exactly how I use a straight key, unless it has a Navy knob fitted, or a poker chip fitted between the knob and the top lever.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: Glowbugradio@yahoogroups.com
>Sent: Wednesday, February 22, 2012 11:43 PM
>Subject: Re: [glowbugradio] Re: 2nd Telegraph
>
>On 23 Feb 2012 at 4:02, davidpnewkirk wrote:
>
> I also remember an old Sparks who was there to retake his license as he
>had accidently let it lapse. He sent 20 wpm with a straight-key by holding his
>index and middle fingers together flat and "patting" the key with them. I had
>never seen anything like that before. Of course, he passed with no problem
>at all. We were the only two to take the 20 wpm code test.
>

1264. WTB: ER back issues

Yahoo group: glowbugradio
Date: 2012-02-23 17:15:28 UTC
From: Carl
Topic: 1264 Message: 1264

Looking for complete years for 1992 and earlier in decent condition.

Carl
KM1H

1265. Re: [glowbugradio] Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-23 17:19:58 UTC
From: Carl
Topic: 1167 Message: 1265

Package arrived in fine shape including the landfill crap that was even
better than what I actually paid for.
Big problem is going to be sorting and storing....ya wanna do the inventory
list the next time and save me a few hours?

Carl
KM1H

----- Original Message -----
From: Lloyd Godsey
To: glowbugradio@yahoogroups.com
Sent: Friday, February 10, 2012 3:55 PM
Subject: RE: [glowbugradio] Rotary inductor pix

Better yet send $11.35 for a medium flat rape box and I will fill it up with
electronic excrement.
Total $21.35
Contents priceless

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On
Behalf Of Carl
Sent: Friday, February 10, 2012 1:27 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Rotary inductor pix

I'll take the rotary Lloyd, looks like the same ceramics used for the tank
circuit.

Carl
KM1H

----- Original Message -----
From: Lloyd Godsey
To: glowbugradio@yahoogroups.com
Sent: Friday, February 10, 2012 2:01 PM
Subject: [glowbugradio] Rotary inductor pix

Barker & Williamson rotary inductor
13.8 uh per my AADE ll meter
$10.00 plus postage

See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_8006.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_8007.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4801 - Release Date: 02/10/12

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4801 - Release Date: 02/10/12

1266. RE: [glowbugradio] Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-23 17:32:04 UTC
From: Lloyd Godsey
Topic: 1167 Message: 1266

Foolish mortal

Thanx
Lloyd Godsey KK7IZ
<mailto:kk7iz@...> kk7iz@...

480-620-7145
<http://www.lloydsdipsydumpster.com/> http://www.lloydsdipsydumpster.com/
<http://antiqueradioarchives.com/> http://antiqueradioarchives.com/

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On
Behalf Of Carl
Sent: Thursday, February 23, 2012 10:20 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Rotary inductor pix

Package arrived in fine shape including the landfill crap that was even
better than what I actually paid for.
Big problem is going to be sorting and storing....ya wanna do the inventory
list the next time and save me a few hours?

Carl
KM1H

----- Original Message -----
From: Lloyd Godsey
To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
Sent: Friday, February 10, 2012 3:55 PM
Subject: RE: [glowbugradio] Rotary inductor pix

Better yet send $11.35 for a medium flat rape box and I will fill it up with

electronic excrement.
Total $21.35
Contents priceless

Thanx
Lloyd Godsey KK7IZ
kk7iz@... <mailto:kk7iz%40cox.net>
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

From: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
[mailto:glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
] On
Behalf Of Carl

Sent: Friday, February 10, 2012 1:27 PM
To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
Subject: Re: [glowbugradio] Rotary inductor pix

I'll take the rotary Lloyd, looks like the same ceramics used for the tank circuit.

Carl
KM1H

----- Original Message -----
From: Lloyd Godsey
To: glowbugradio@yahoogroups.com <mailto:glowbugradio%40yahoogroups.com>
Sent: Friday, February 10, 2012 2:01 PM
Subject: [glowbugradio] Rotary inductor pix

Barker & Williamson rotary inductor
13.8 uh per my AADE ll meter
$10.00 plus postage
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_8006.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_8007.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@... <mailto:kk7iz%40cox.net>
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4801 - Release Date: 02/10/12

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4801 - Release Date: 02/10/12

1267. Re: [glowbugradio] Rotary inductor pix

Yahoo group: glowbugradio
Date: 2012-02-23 17:45:34 UTC
From: Kenneth G. Gordon
Topic: 1167 Message: 1267

On 23 Feb 2012 at 10:32, Lloyd Godsey wrote:

> Foolish mortal
>
>
> Package arrived in fine shape including the landfill crap that was
> even better than what I actually paid for. Big problem is going to be
> sorting and storing....ya wanna do the inventory list the next time
> and save me a few hours?
>
> Carl
> KM1H

I suspect you two, along with Dave Newkirk, are possibly the most
entertaining people it has ever been my pleasure to watch. :-)

Ken W7EKB

1268. Re: [glowbugradio] WTB: ER back issues

Yahoo group: glowbugradio
Date: 2012-02-23 17:48:06 UTC
From: Kenneth G. Gordon
Topic: 1264 Message: 1268

On 23 Feb 2012 at 12:15, Carl wrote:

> Looking for complete years for 1992 and earlier in decent condition.

Damn! Sorry I didn't get back with you before now, Carl. I don't have anything back that far except a couple of individual issues I bought from Ray for specific articles.

Ken W7EKB

1269. Re: [glowbugradio] WTB: ER back issues

Yahoo group: glowbugradio
Date: 2012-02-23 18:39:29 UTC
From: John Ruccolo
Topic: 1264 Message: 1269

Hi Carl,

You and me both, bud. ;-) They do turn up here and there at hamfests, but not usually in any quantity.

Last year, I did get lucky and got the first eight issues, May thru Dec '89, at a small local hamfest. I must say that, apart from the historical aspect of reading those original issues, ER magazine is *vastly* improved today. Back in '89 it was just getting started, and the overall quality was so-so. There was also a surprising anti-SSB attitude that has fortunately gone away.

I need to complete 90 thru 93. I have a few dupes of early issues that I'd be happy to send you -- if I can ever find them.

Regards,

John

From: Carl <km1h@...>
To: glowbugradio@...m
Sent: Thursday, February 23, 2012 12:15 PM
Subject: [glowbugradio] WTB: ER back issues

Looking for complete years for 1992 and earlier in decent condition.

Carl
KM1H

1270. Re: [glowbugradio] WTB: ER back issues

Yahoo group: glowbugradio
Date: 2012-02-23 19:19:07 UTC
From: Jim
Topic: 1264 Message: 1270

ER needs to release back issues on CD ... at a reasonable cost!

N6OTQ

>_____
> From: John Ruccolo <jr6v6gt@...>
>To: "glowbugradio@yahoogroups.com" <glowbugradio@yahoogroups.com>
>Sent: Thursday, February 23, 2012 12:39 PM
>Subject: Re: [glowbugradio] WTB: ER back issues
>
>
>
>
>
>
>Hi Carl,
>
>You and me both, bud. ;-) They do turn up here and there at hamfests, but not usually in any quantity.
>
>Last year, I did get lucky and got the first eight issues, May thru Dec '89, at a small local hamfest. I must say that, apart from the historical aspect of reading those original issues, ER magazine is *vastly* improved today. Back in '89 it was just getting started, and the overall quality was so-so. There was also a surprising anti-SSB attitude that has fortunately gone away.
>
>I need to complete 90 thru 93. I have a few dupes of early issues that I'd be happy to send you -- if I can ever find them.
>
>Regards,

1271. Re: [glowbugradio] WTB: ER back issues

Yahoo group: glowbugradio
Date: 2012-02-23 22:41:35 UTC
From: Carl
Topic: 1264 Message: 1271

You already told me you didnt have that 91 article Ken and Ive been meaning to try and finish the collection but keep forgetting.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Thursday, February 23, 2012 12:48 PM
Subject: Re: [glowbugradio] WTB: ER back issues

On 23 Feb 2012 at 12:15, Carl wrote:

> Looking for complete years for 1992 and earlier in decent condition.

Damn! Sorry I didn't get back with you before now, Carl. I don't have
anything back that far except a couple of individual issues I bought from Ray
for specific articles.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2113/4827 - Release Date: 02/23/12

1272. Re: [glowbugradio] WTB: ER back issues

Yahoo group: glowbugradio
Date: 2012-02-23 22:47:44 UTC
From: Carl
Topic: 1264 Message: 1272

Thanks John and if you happen to run across 11/90 Id appreciate it. Or just the HRO-500 article.

I was able to buy 93-2009 thru similar ads and then subscribed.

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, February 23, 2012 1:39 PM
Subject: Re: [glowbugradio] WTB: ER back issues

Hi Carl,

You and me both, bud. ;-) They do turn up here and there at hamfests, but not usually in any quantity.

Last year, I did get lucky and got the first eight issues, May thru Dec '89, at a small local hamfest. I must say that, apart from the historical aspect of reading those original issues, ER magazine is *vastly* improved today. Back in '89 it was just getting started, and the overall quality was so-so. There was also a surprising anti-SSB attitude that has fortunately gone away.

I need to complete 90 thru 93. I have a few dupes of early issues that I'd be happy to send you -- if I can ever find them.

Regards,

John

From: Carl <km1h@....com>
To: glowbugradio@yahoogroups.com
Sent: Thursday, February 23, 2012 12:15 PM
Subject: [glowbugradio] WTB: ER back issues

Looking for complete years for 1992 and earlier in decent condition.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2113/4827 - Release Date: 02/23/12

1273. 4-36 air-trimmer mounting screws: one of the tinier mysteries of the ages

Yahoo group: glowbugradio
Date: 2012-02-27 06:42:28 UTC
From: davidpnewkirk
Topic: 1273 Message: 1273

You see them reflected in the "drill sizes" tables in old ARRL and Radio handbooks: 4-36 screws, which--of course--are passed by a hole made by the same drill size that passes 4-40s. You see the need for them every time you attempt to mount a Hammarlund (and maybe Hammarlund knockoff) miniature air-dielectric trimmer: The hole size looks right, but standard 4-40 screws bind after a fraction of a turn.

There must have been a defensible reason for using 4-36s when 4-40s would have worked _perfectly well_, but I can't think of it. Those little trimmers are not exactly sites of high torque or stress where the slightly coarser threads of 4-36s might have given them an edge in some doesn't-matter-to-everyday-humans structural-strength or vibration spec. What I _do_ know is that no matter how carefully I set aside and covet the few 4-36s I encounter, I end up borrowing from Peter to pay Paul, stealing the 4-36s that sit in a won't-be-used-today trimmer so I can panel-mount a different trimmer in the project at hand. I've even stolen a single screw from an existing mounted trimmer or two, rationalizing that they're already wired and won't go anywhere, and that such caps' threaded square mounting pillars don't make any electrical connections to anything anyway.

Although it's too late to save you from that long story, one possible short answer to the problem of where to find 4-36s new is that Small Parts (http://www.smallparts.com/) carries them in multiple head types, although seemingly only of nylon; a bag of 100 1/2-inch panheads is just under $8, and then you add shipping. I just got one.

And so--of course--_now_ all the brass 4-36s that have been masquerading as 4-40s in the random noise of the workbench will immediately stand right out like they _didn't_ do across my earlier multiple passes to find them.

Best regards,

Dave
amateur radio W9VES

1274. Re: 4-36 air-trimmer mounting screws: one of the tinier mysteries of the ages

Yahoo group: glowbugradio
Date: 2012-02-27 06:43:12 UTC
From: davidpnewkirk
Topic: 1273 Message: 1274

[title continued on page 2] ...ages

--- In glowbugradio@yahoogroups.com, "davidpnewkirk" <david.newkirk@...> wrote:

1275. DC-DC power supply for sale

Yahoo group: glowbugradio
Date: 2012-02-27 20:05:02 UTC
From: Lloyd Godsey
Topic: 1275 Message: 1275

Adcom Linear Systems 250-12
Outputs -90 vdc, +300 vdc, +850 vdc
Will ship in large flat rape box for $15.45
$100.00 plus shipping
See at
http://img.photobucket.com/albums/v618/skyrider28/IMG_8071.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_8072.jpg
http://img.photobucket.com/albums/v618/skyrider28/IMG_8073.jpg

Thanx
Lloyd Godsey KK7IZ
kk7iz@...
480-620-7145
http://www.lloydsdipsydumpster.com/
http://antiqueradioarchives.com/

1276. Re: [glowbugradio] DC-DC power supply for sale

Yahoo group: glowbugradio
Date: 2012-02-27 20:36:54 UTC
From: Kenneth G. Gordon
Topic: 1275 Message: 1276

On 27 Feb 2012 at 13:05, Lloyd Godsey wrote:

> Adcom Linear Systems 250-12
> Outputs -90 vdc, +300 vdc, +850 vdc
> Will ship in large flat rape box for $15.45
> $100.00 plus shipping
> See at
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8071.jpg
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8072.jpg
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8073.jpg
>
> Thanx
> Lloyd Godsey KK7IZ
> kk7iz@...
> 480-620-7145
> http://www.lloydsdipsydumpster.com/
> http://antiqueradioarchives.com/

What's the input voltage, Lloyd? 12 VDC? How many amps?

Ken W7EKB

1277. Re: [glowbugradio] DC-DC power supply for sale

Yahoo group: glowbugradio
Date: 2012-02-27 21:40:02 UTC
From: Carl
Topic: 1275 Message: 1277

Even I can understand its 12V @ 250W or you can look at the 3 pictures for a reasonable assume(-;

Now ask him if thats 250W SSB or AM?

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Monday, February 27, 2012 3:36 PM
Subject: Re: [glowbugradio] DC-DC power supply for sale

On 27 Feb 2012 at 13:05, Lloyd Godsey wrote:

> Adcom Linear Systems 250-12
> Outputs -90 vdc, +300 vdc, +850 vdc
> Will ship in large flat rape box for $15.45
> $100.00 plus shipping
> See at
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8071.jpg
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8072.jpg
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8073.jpg
>
> Thanx
> Lloyd Godsey KK7IZ
> kk7iz@...
> 480-620-7145
> http://www.lloydsdipsydumpster.com/
> http://antiqueradioarchives.com/

What's the input voltage, Lloyd? 12 VDC? How many amps?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2113/4835 - Release Date: 02/27/12

1278. RE: [glowbugradio] DC-DC power supply for sale

Yahoo group: glowbugradio
Date: 2012-02-27 21:42:38 UTC
From: Lloyd Godsey
Topic: 1275 Message: 1278

12 VDC input, amps depends on load.

Would guess about 20 at full load.

This is a steal for somebody

Thanx
Lloyd Godsey KK7IZ
<mailto:kk7iz@...> kk7iz@...

480-620-7145
<http://www.lloydsdipsydumpster.com/> http://www.lloydsdipsydumpster.com/
<http://antiqueradioarchives.com/> http://antiqueradioarchives.com/

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Monday, February 27, 2012 1:37 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] DC-DC power supply for sale

On 27 Feb 2012 at 13:05, Lloyd Godsey wrote:

> Adcom Linear Systems 250-12
> Outputs -90 vdc, +300 vdc, +850 vdc
> Will ship in large flat rape box for $15.45
> $100.00 plus shipping
> See at
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8071.jpg
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8072.jpg
> http://img.photobucket.com/albums/v618/skyrider28/IMG_8073.jpg
>
> Thanx
> Lloyd Godsey KK7IZ
> kk7iz@... <mailto:kk7iz%40cox.net>
> 480-620-7145
> http://www.lloydsdipsydumpster.com/
> http://antiqueradioarchives.com/

What's the input voltage, Lloyd? 12 VDC? How many amps?

Ken W7EKB

1279. Re: [glowbugradio] DC-DC power supply for sale

Yahoo group: glowbugradio
Date: 2012-02-27 22:18:04 UTC
From: Kenneth G. Gordon
Topic: 1275 Message: 1279

On 27 Feb 2012 at 14:42, Lloyd Godsey wrote:

> 12 VDC input, amps depends on load.
>
> Would guess about 20 at full load.

Lessee: model 250-12. Probably 250 watts at 12 VDC. Dunno if that is 250 watts input or output. If we assume output, then at 90% efficiency, that would require about 23 amps input.

If that 250 watts is input, we would need 21 amps.

Is that for SSB/CW or AM? ;-)

> This is a steal for somebody

Yes. It sure is! That looks like an excellent supply. Wish I needed it.

Ken W7EKB

1280. PEP vs Peak-reading

Yahoo group: glowbugradio
Date: 2012-03-09 04:09:13 UTC
From: Kenneth G. Gordon
Topic: 1280 Message: 1280

OK. So I have an old Heathkit HM-2140 peak-reading dual-wattmeter which I restored some time ago. It works very well, as far as I am concerned. I calibrated it against two other wattmeters and it is close enough for me.

However, one of the front-panel buttons is labeled AVG and PEP.

I contend that this meter and those like it are NOT reading PEP, but PEAK power.

Therefore, if I load my amp up to 500 watts output on CW, then switch to SSB and steady-whistle into the mic, I should get 500 watts output, which I do.

When I switch the wattmeter to PEP and either key the amp in CW, or whistle into the mic, I still get 500 watts, which I should,

When I then talk into the mic, I get 500 watts.

Sounds right to me. But PEP should be something like twice PEAK power. Therefore this meter is a peak-reading meter, not a PEP-reading meter.

Ken W7EKB

1281. Re: [glowbugradio] PEP vs Peak-reading - follow up.

Yahoo group: glowbugradio
Date: 2012-03-09 17:08:10 UTC
From: Kenneth G. Gordon
Topic: 1280 Message: 1281

Last night while doing NCS duties on the Pacific Area Net, I noticed that in the PEP function, after hammering away at 30 WPM for a few minutes, the meter was reading 850 to 900 watts.

I am not sure how to interpret that.

Anyone?

Ken W7EKB

1282. Re: [glowbugradio] PEP vs Peak-reading

Yahoo group: glowbugradio
Date: 2012-03-09 20:44:11 UTC
From: mac
Topic: 1280 Message: 1282

Ken,

It's the other way around. The peak power should be roughly twice the
PEP. Get out your scope and make a check.

Dennis D. W7QHO
Glendale, CA

****
On Mar 8, 2012, at 8:09 PM, Kenneth G. Gordon wrote:

> Sounds right to me. But PEP should be something like twice PEAK
> power. Therefore this
> meter is a peak-reading meter, not a PEP-reading meter.

1283. Re: [glowbugradio] PEP vs Peak-reading

Yahoo group: glowbugradio
Date: 2012-03-09 21:14:58 UTC
From: Kenneth G. Gordon
Topic: 1280 Message: 1283

On 9 Mar 2012 at 12:44, mac wrote:

> Ken,
>
> It's the other way around. The peak power should be roughly twice the
> PEP. Get out your scope and make a check.

Ye're right. What I MEANT to say was that PEP should be more-or-less twice AVG power...which makes more sense and is what I am getting.

I tried it again today: with 60 watts average power output, and in PACTOR or WINMOR, I get almost 120 watts PEP.

Some what less than twice AVG when in CW at 30 WPM.

The meter must be working correctly.

Ken W7EKB

1284. Re: [glowbugradio] PEP vs Peak-reading

Yahoo group: glowbugradio
Date: 2012-03-09 22:21:58 UTC
From: Carl
Topic: 1280 Message: 1284

flatline
average
peak
peak to peak

Carl
KM1H

----- Original Message -----
From: mac
To: glowbugradio@yahoogroups.com
Sent: Friday, March 09, 2012 3:44 PM
Subject: Re: [glowbugradio] PEP vs Peak-reading

Ken,

It's the other way around. The peak power should be roughly twice the PEP. Get out your scope and make a check.

Dennis D. W7QHO
Glendale, CA

****

On Mar 8, 2012, at 8:09 PM, Kenneth G. Gordon wrote:

Sounds right to me. But PEP should be something like twice PEAK power. Therefore this meter is a peak-reading meter, not a PEP-reading meter.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2113/4860 - Release Date: 03/09/12

1285. Re: [glowbugradio] PEP vs Peak-reading

Yahoo group: glowbugradio
Date: 2012-03-09 22:55:44 UTC
From: Jim
Topic: 1280 Message: 1285

Be careful if you try to make an acronym-based mnemonic with that ....

N6OTQ

>_____
> From: Carl <km1h@...>
>To: glowbugradio@yahoogroups.com
>Sent: Friday, March 9, 2012 4:21 PM
>Subject: Re: [glowbugradio] PEP vs Peak-reading
>
>
>
>flatline
>average
>peak
>peak to peak
>
>Carl
>KM1H
>
>----- Original Message -----
>>From: mac
>>To: glowbugradio@yahoogroups.com
>>Sent: Friday, March 09, 2012 3:44
PM
>>Subject: Re: [glowbugradio] PEP vs Peak-reading
>>
>>
>>Ken,
>>
>>
>>It's the other way around. The peak power should be roughly twice the PEP. Get out your scope and make a check.
>>
>>
>>Dennis D. W7QHO
>>Glendale, CA

1286. Re: Boatanchor Sighting in the Movies

Yahoo group: glowbugradio
Date: 2012-03-27 02:46:49 UTC
From: Kenneth G. Gordon
Topic: 1286 Message: 1286

On 26 Mar 2012 at 21:33, john wrote:

> Honey, I shrunk the Collins and the S-38 is on steroids!

That isn't an S-38, although it looks sorta like one: it is a
Lafayette.,..something...which
although it looks almost identical to the S-28, has a transformer operated power supply, an RF stage, and is a MUCH better receiver...

I have been wanting one for a long time, but they always go for far more than I can pay.

vy 73,

Ken W7EKB

1287. Re: Boatanchor Sighting in the Movies

Yahoo group: glowbugradio
Date: 2012-03-27 02:48:28 UTC
From: Kenneth G. Gordon
Topic: 1286 Message: 1287

On 26 Mar 2012 at 18:49, David Hollander wrote:

> That S-38 is a good representation of the Lafayette/Trio HE-10 (KT-200)
> Receiver.
>
> Look again!

Right! That's it. It is NOT an S-38 ! The knobs are not right for an S-38, and neither is the
front panel.

Ken W7EKB

1288. Re: [National] Boatanchor Sighting in the Movies

Yahoo group: glowbugradio
Date: 2012-03-27 03:12:16 UTC
From: Kenneth G. Gordon
Topic: 1288 Message: 1288

On 26 Mar 2012 at 19:10, Vic K2VCO wrote:

> I'd hate to try to send much with the key adjusted like that!

Boy! You ain't kidding!

Ken W7EKB

1289. Re: [National] Boatanchor Sighting in the Movies

Yahoo group: glowbugradio
Date: 2012-03-27 03:18:49 UTC
From: Kenneth G. Gordon
Topic: 1288 Message: 1289

On 26 Mar 2012 at 17:25, David Hollander wrote:

> In the new animated movie "The Adventures of Tintin", their is an
> interesting scene when Tintin enters the radio room on the old steamer
> he is on.
>
> One of the animators must be seriously into boatanchors.

I recognize the KT-200, the HappyCrappers S-20R, the Collins 75A1, the NC-173/183, and the HRO, but what is that rig in between the HRO and the Halli? Some sort of military rig?

Ken W7EKB

1290. Many Ham Publications FS

Yahoo group: glowbugradio
Date: 2012-03-31 17:29:22 UTC
From: Ken Simpson, W8EK
Topic: 1290 Message: 1290

Vintage Ham Publications For Sale:
Mainly ARRL, but some others

ARRL Handbooks

1973 - 50th edition -
This one is in the smaller format, which means it has
tube charts and vintage ads.
It is in very nice condition, although the pages have
yellowed slightly. $14

1985 - 62nd edition
This one is in the larger format. It has been "well used"
and has some loose pages, but I think they are all there.
The binding has duct tape on it, but the important info
is still there. $7

1988 - 65th edition - Hard bound
This one is a couple inches thick.
Very close to new condition. $22

1992 - 69th edition - Hard Bound
Several inches thick with a lot of information.
This one looks like new, except for a previous owner's
call sign on the inside cover. $22

Other Vintage ARRL Publications:

These are in the smaller 6.5 x 9.5 inch format.
Most have some very nice vintage ads in them.
All are very pristine, in close to new condition.

ARRL Radio Amateur's VHF Manual
1966, 11th edition, $12

ARRL Hints and Kinks for the Radio Amateur
1968, Close to new condition, Collectible. $12

ARRL Single Sideband for the Radio Amateur
1970, Fifth edition, $12

ARRL Specialized Communications Techniques
1975, First Edition, $15

The next two are in the larger 8.5 x 11 inch format.

ARRL Understanding Amateur Radio
1977, no edition number listed, $8

ARRL Learning to Work with Integrated Circuits, First edition $10

ARRL Books about Operating your ham station:

ARRL "Radio Amateurs Operating Manual"
2nd edition, $8
5th edition, over an inch thick, $12

ARRL "Operating an Amateur Radio Station"
1972 - 53rd edition $4
1976 - 57th edition $3
1978 - 58th edition $3
1983 - 61st edition $3

ARRL "Public Service Communications Manual"
1985 - 9th edition - $3
No date listed, $3

ARRL Amateur Radio Field Resources Directory
First edition, $7

CQ: The Packet Radio Operators Manual
By Buck Rogers, K4ABT, Close to new condition, $14

Vintage ARRL Licensing materials:

Check and see what the FCC tests were like in the past!

All books are in excellent condition, with some in very
close to new condition.

ARRL Tune in the World with Amateur Radio
1976, First Edition $3

ARRL Now You're Talking
1993, 2nd edition $10

ARRL Tech Q & A, 1997, First Edition $8

ARRL License Manuals - $3 each
1977, 76th edition, All classes
1984, 80th edition, All classes

Technician Class
1989, First Edition
1993, Second Edition

General Class
1989, First Edition

Advanced Class
1985, First Edition
1990, Third Edition
1996, Fourth Edition

Extra Class, 1988, Third edition

Vintage Ameco Ham Licensing Publications:

These are all Ameco Publications that are in
extremely nice, close to new, condition.

Ameco "Complete Technician Radio Amateur FCC Test Manual"
1992 $3

Ameco "General Class Radio Amateur FCC Test Manual"
1984, Like new $4
As above, but includes 1988 questions and answers $4

Ameco "Advanced Class Radio Amateur License Guide"
First Edition, 1981, like new $5

Ameco "Advanced Class Radio Amateur FCC Test Manual"
Copyright 1987, with added 1991 material
First Edition, Like New $6

Miscellaneous Licensing material:

General Class License Manual by Gordon West, WB6NOA
Second Edition - Like New - $3
Fifth Edition - Like new - $5

Upgrade to General Class by Don Stoner, W6TNS
1992 - $4

Advanced Class License Manual by Gordon West, WB6NOA
"New Edition" - Second Edition - 1995 - $4

Radio Amateur "Flying Horse" Callbooks:

All are in extremely nice condition, close to new.

1981 Foreign "DX" Callbook - $5

1994 International "DX" Callbook - $8

1995 North American "US" Callbook with over
700,000 listings, including Canadian - $10

Digital and Satellite Books:

Your Packet Companion by Steve Ford, WB8IMY
ARRL, 1995, First Edition, $5

The Radio Amateur's Digital Communications Handbook
By KR3T, J Mayo, Published by Tab, Hardback Book,
Like New, 208 pages, 1992, $12

The Packet Radio Operators Manual published by CQ
By Buck Rogers, K4ABT, 1995, Close to new condition, $12

Tab Books:
"Oscar: The Ham Radio Satellites"
by recent silent key Dave Ingram, K4TWJ
First Edition, Hardback, Like new, $14

FCC Rule Books and other ham publications:

ARRL "FCC Rulebook"
Seventh edition, $3
Eighth Edition, $4
As above, but "Newly Revised to include Codeless
.....Technician" - Like New, $6
13th edition $10

W5YI
"Ham Operator Education Package" $4
"Rules and Regulations - Part 97 Amateur Radio Service"
Fourth Edition $3
17th Revised Edition $4

ARRL Public Service Communications
Ninth edition, $3
no edition number listed, but fairly recent $3

World Atlas, World Map, and DXCC List:

Radio Amateur World Atlas - 13th edition
Includes many different maps of the world with
ham prefixes on them.
Nice condition $8

The Radio Amateur World Map by Yaesu
This wall map is approx 34 x 24 inches in size.
It includes the ham prefixes on the various countries.
It appears to never have been used. $8

ARRL DXCC Countries List
This is a large check list for working the various
countries, and also includes other information such
as prefixes, applications, etc. New condition $4

Ham CDs:

Set of Extra Class CDs
This is a set consisting of six CDs. I am not certain who
made them or where they came from, other than they came
from the drawer of a silent key. They simply say "Extra
Class, Volume 1", "Extra Class Volume 2", etc. on them.
$18 for the set of six.

ARRL Morse Code Exam
5 WPM version, sent at 15 WPM, but spaced for 5 WPM, with
750 hz tone $7

Prices do not include shipping from Florida.

I also have many other accessories available such as many different types of HTs, VHF and UHF rigs, HF and VHF/UHF antennas, etc.
Just too many to list here. Please e-mail your requests.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

1291. Looking for a Radio Adventurs BK-175 T/R Adapter

Yahoo group: glowbugradio
Date: 2012-04-07 19:35:29 UTC
From: n3bj
Topic: 1291 Message: 1291

Looking for one of these in kit or assembled form. Also the optiomal relay kit.

Thanks,

Alan, N3BJ

1292. WANTED: ARC-5 Radio Control Box BC-450+ cables

Yahoo group: glowbugradio
Date: 2012-04-11 15:06:00 UTC
From: Hiroki
Topic: 1292 Message: 1292

I am looking for an ARC-5 Radio Control Box BC-450 and cables. Please state the price and condition. Also, any lead re where I can find them would be appreciated.

Hiroki
AH6CY

1293. Re: [glowbugradio] WANTED: ARC-5 Radio Control Box BC-450+ cables

Yahoo group: glowbugradio
Date: 2012-04-12 14:20:58 UTC
From: John Ressue
Topic: 1292 Message: 1293

Hiroki, Try calling, or visiting Fair Radio Sales website (they are located in Lima OH.)
John Ressue
KC2TFE

From: Hiroki <hiroki@...>
To: glowbugradio@yahoogroups.com
Sent: Wednesday, April 11, 2012 11:06 AM
Subject: [glowbugradio] WANTED: ARC-5 Radio Control Box BC-450+ cables

I am looking for an ARC-5 Radio Control Box BC-450 and cables. Please state the price and condition. Also, any lead re where I can find them would be appreciated.

Hiroki
AH6CY

1294. Re: [glowbugradio] WANTED: ARC-5 Radio Control Box BC-450+ cables

Yahoo group: glowbugradio
Date: 2012-04-12 18:30:15 UTC
From: Hiroki Kato
Topic: 1292 Message: 1294

Thanks. I will do that. Hiroki

--- On Thu, 4/12/12, John Ressue <ressuej@...> wrote:

From: John Ressue <ressuej@...>
Subject: Re: [glowbugradio] WANTED: ARC-5 Radio Control Box BC-450+ cables
To: "glowbugradio@yahoogroups.com" <glowbugradio@yahoogroups.com>
Date: Thursday, April 12, 2012, 7:20 AM

Hiroki, Try calling, or visiting Fair Radio Sales website (they are located in Lima OH.)
John Ressue
KC2TFE

From: Hiroki <hiroki@...t>
To: glowbugradio@yahoogroups.com
Sent: Wednesday, April 11, 2012 11:06 AM
Subject: [glowbugradio] WANTED: ARC-5 Radio Control Box BC-450+ cables

I am looking for an ARC-5 Radio Control Box BC-450 and cables. Please state the price and condition. Also, any lead re where I can find them would be appreciated.

Hiroki
AH6CY

1295. A question...

Yahoo group: glowbugradio
Date: 2012-05-04 15:51:58 UTC
From: Kenneth G. Gordon
Topic: 1295 Message: 1295

I have been bothered for years by something that I have never seen addressed in any detail. I have studied my Radiotron Designers Handbook, and Terman's, and have never seen this explained in either one, nor anywhere else for that matter.

This concerns the common volume control and how it is normally connected.

Normally, the coupling cap from the previous stage is connected to the "top" of a pot, usually something on the order of 1 megohm. The "bottom" of that pot is connected to ground. The wiper of the pot is connected to the grid of the following stage, usually a low-level Class A amp which is most often cathode-biased, with a larger-value capacitor bypassing the cathode-bias resistor for AC.

This has always seemed to me to be incorrect, since when the pot is adjusted up or down, the DC voltage on the grid should also change, effecting the bias and thereby the Class of operation.

Despite the fact that if the stage is REALLY in Class A, there should be no current flow, and therefore any reasonable value of resistance between the grid and ground would show zero voltage at the wiper of the pot, or at least no change in voltage there, I have always disliked this connection.

I have always thought that the wiper should be connected to the coupling cap from the previous stage, and the top of the volume pot shouild be connected to the grid of the following stage.

At least the DC voltage at the grid, if it WAS effected by that resistor, would be more stable.

Am I all wet here? Why? Why not?

Ken W7EKB

1296. Re: [glowbugradio] A question...

Yahoo group: glowbugradio
Date: 2012-05-04 16:56:43 UTC
From: match@ece.utah.edu
Topic: 1295 Message: 1296

>
> Normally, the coupling cap from the previous stage is connected to
> the "top"
> of a pot, usually something on the order of 1 megohm. The "bottom" of
> that
> pot is connected to ground. The wiper of the pot is connected to the
> grid of
> the following stage, usually a low-level Class A amp which is most
> often
> cathode-biased, with a larger-value capacitor bypassing the cathode-
> bias
> resistor for AC.

So far, so good.
>
> This has always seemed to me to be incorrect, since when the pot is
> adjusted up or down, the DC voltage on the grid should also change,
> effecting the bias and thereby the Class of operation.

It doesn't change. The grid bias is set by the cathode resistor.
>
> Despite the fact that if the stage is REALLY in Class A, there should
> be no
> current flow, and therefore any reasonable value of resistance
> between the
> grid and ground would show zero voltage at the wiper of the pot, or
> at least
> no change in voltage there, I have always disliked this connection.

If it would make you feel better, you could use another coupling cap
from the wiper of the pot to the following grid, and then use a
resistor from grid to ground on the order of 470K, but it's not
necessary and creates low-pass 1st order filter, another pole to
worry about and would likely decrease the stability.
>
> I have always thought that the wiper should be connected to the
> coupling
> cap from the previous stage, and the top of the volume pot should be
> connected to the grid of the following stage.

That would work, except then you turn the volume control into a
combination volume and tone control.
>
> At least the DC voltage at the grid, if it WAS effected by that
> resistor, would
> be more stable.

That's the point. No current flows on the grid (to speak of), therefore the grid bias does not change. Even if it did change (which it doesn't) who cares? Moving the bias point a bit only affects the stage if you're running it at signal levels that push it into clipping. Clearly you don't run this stage anywhere near clipping levels, do you?

Marvin
KA7TPH

1297. Re: [glowbugradio] A question...

Yahoo group: glowbugradio
Date: 2012-05-04 20:02:03 UTC
From: Kenneth G. Gordon
Topic: 1295 Message: 1297

On 4 May 2012 at 10:56, match@... wrote:

> > This has always seemed to me to be incorrect, since when the pot is
> > adjusted up or down, the DC voltage on the grid should also change,
> > effecting the bias and thereby the Class of operation.
>
> It doesn't change. The grid bias is set by the cathode resistor.

The cathode is positive with respect to the grid, so the grid is, essentially, at chassis potential, or, in this case, ground.

> If it would make you feel better, you could use another coupling cap
> from the wiper of the pot to the following grid, and then use a
> resistor from grid to ground on the order of 470K, but it's not
> necessary and creates low-pass 1st order filter, another pole to worry
> about and would likely decrease the stability.

I had thought of doing it that way too, but I am a very firm believer in the KISS principle, and that method would have added way too many components to achieve what I thought should be achieved.

> > I have always
> thought that the wiper should be connected to the > coupling > cap
> from the previous stage, and the top of the volume pot should be >
> connected to the grid of the following stage.
>
> That would work, except then you turn the volume control into a
> combination volume and tone control.

Hmmmm.....I see what you mean....a series-"tuned" "trap" (if you will). However, it seems to me that you would get the same effect if the circuit were connected the other (more traditional) way, although the effect would become more pronounced at low volume levels, which might not be "a bad thing".

> That's the point. No current flows on the grid (to speak of),
> therefore the grid bias does not change. Even if it did change (which
> it doesn't) who cares? Moving the bias point a bit only affects the
> stage if you're running it at signal levels that push it into
> clipping. Clearly you don't run this stage anywhere near clipping
> levels, do you?

No.

OK. I think I finally have it clear now. I guess I was looking at the following amp as having both cathode and grid-leak bias, but that would only be true if the grid drew current, which it had better not.

Thanks,

vy 73,

Ken W7EKB

1298. Re: [glowbugradio] A question...

Yahoo group: glowbugradio
Date: 2012-05-07 06:30:01 UTC
From: mac
Topic: 1295 Message: 1298

Normally NO dc on the wiper of the pot in the circuit as described,
only the audio signal varying +/- around ground potential (0 volts).
The peak to peak amplitude of the signal reaching the grid would be
dependent on the position of the wiper, of course, maximum at the
"top" end and zero at the ground end. However, if the amplitude of
the audio signal reaching the tube grid at any pot setting exceeded
the positive bias voltage set by the cathode resistor then
rectification would take place at the grid and a negative bias voltage
would be generated across the wiper to ground resistance.

Dennis D. W7QHO
Glendale, CA

****
On May 4, 2012, at 8:51 AM, Kenneth G. Gordon wrote:

> This has always seemed to me to be incorrect, since when the pot is
> adjusted up or down, the DC voltage on the grid should also change,
> effecting the bias and thereby the Class of operation.

1299. Various matters radio-related.

Yahoo group: glowbugradio
Date: 2012-05-23 19:50:22 UTC
From: Kenneth G. Gordon
Topic: 1299 Message: 1299

OK, Gents, I am not sure how to start this, so I am starting it here, and asking for ideas.

I want to begin researching the number of RAL receivers built, and the number remaining "alive" and don't know how to go about this.

Might any of you have any suggestions?

I might add that in my experience and opinion, the RAL was the very finest HF TRF receiver every built.

I have never used any other HF TRF with the stability, selectivity, quiet operation, and sensitivity of the RAL-7 which I used for many years as my only station receiver.

Comments, please?

Ken W7EKB

1300. Re: [glowbugradio] Various matters radio-related.

Yahoo group: glowbugradio
Date: 2012-05-23 20:30:32 UTC
From: Carl
Topic: 1299 Message: 1300

I have one RAL-7

You might contact Nick England for assistance in tracking down contracts.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, May 23, 2012 3:50 PM
Subject: [glowbugradio] Various matters radio-related.

OK, Gents, I am not sure how to start this, so I am starting it here, and asking for ideas.

I want to begin researching the number of RAL receivers built, and the number remaining "alive" and don't know how to go about this.

Might any of you have any suggestions?

I might add that in my experience and opinion, the RAL was the very finest HF TRF receiver every built.

I have never used any other HF TRF with the stability, selectivity, quiet operation, and sensitivity of the RAL-7 which I used for many years as my only station receiver.

Comments, please?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2425/5017 - Release Date: 05/23/12

1301. Re: [glowbugradio] Various matters radio-related.

Yahoo group: glowbugradio
Date: 2012-05-23 22:33:45 UTC
From: Kenneth G. Gordon
Topic: 1299 Message: 1301

On 23 May 2012 at 16:30, Carl wrote:

> I have one RAL-7

Serial number, date, contract number, contract date, etc.?

> You might contact Nick England for assistance in tracking down
> contracts.

Hey! Excellent idea! Thanks. :-)

Ken W7EKB

1302. Re: [glowbugradio] Various matters radio-related.

Yahoo group: glowbugradio
Date: 2012-05-24 00:23:07 UTC
From: Carl
Topic: 1299 Message: 1302

Only thing of interest on the tag is

Serial # 506
Contract NXss 19101

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Carl" <km1h@...>
Cc: <Glowbugradio@yahoogroups.com>
Sent: Wednesday, May 23, 2012 6:33 PM
Subject: Re: [glowbugradio] Various matters radio-related.

> On 23 May 2012 at 16:30, Carl wrote:
>
>> I have one RAL-7
>
> Serial number, date, contract number, contract date, etc.?
>
>> You might contact Nick England for assistance in tracking down
>> contracts.
>
> Hey! Excellent idea! Thanks. :-)
>
> Ken W7EKB
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1424 / Virus Database: 2425/5018 - Release Date: 05/23/12
>

1303. relay and switch

Yahoo group: glowbugradio
Date: 2012-06-14 19:44:36 UTC
From: kf9wv@att.net
Topic: 1303 Message: 1303

For my project I need 2 relays,P&B KT11D and 1 wafer switch,sp3t,thamks for looking...KF9WV

1304. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-14 20:33:44 UTC
From: Carl
Topic: 1303 Message: 1304

Have you checked Mouser?

Carl
KM1H

----- Original Message -----
From: kf9wv@...
To: glowbugradio@yahoogroups.com
Sent: Thursday, June 14, 2012 3:44 PM
Subject: [glowbugradio] relay and switch

For my project I need 2 relays,P&B KT11D and 1 wafer switch,sp3t,thamks for looking...KF9WV

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5069 - Release Date: 06/14/12

1305. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-14 20:52:40 UTC
From: Kenneth G. Gordon
Topic: 1303 Message: 1305

On 14 Jun 2012 at 19:44, kf9wv@... wrote:

> For my project I need 2 relays,P&B KT11D and 1 wafer
> switch,sp3t,thamks for looking...KF9WV

www.mouser.com

or

www.newark.com

or

www.digikey.com

or

ebay

Ken W7EKB

1306. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-14 21:03:38 UTC
From: george frost
Topic: 1303 Message: 1306

Carl,not yet,checked Nebraska surplus today,still looking,tnx...George

---
From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Thu, June 14, 2012 4:34:00 PM
Subject: Re: [glowbugradio] relay and switch

Have you checked Mouser?

Carl
KM1H

----- Original Message -----
>From: kf9wv@...
>To: glowbugradio@yahoogroups.com
>Sent: Thursday, June 14, 2012 3:44 PM
>Subject: [glowbugradio] relay and switch
>
>
>For my project I need 2 relays,P&B KT11D and 1 wafer switch,sp3t,thamks for
>looking...KF9WV
>
>

>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 10.0.1424 / Virus Database: 2433/5069 - Release Date: 06/14/12

1307. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-14 21:10:51 UTC
From: Kenneth G. Gordon
Topic: 1303 Message: 1307

On 14 Jun 2012 at 14:03, george frost wrote:

> Carl,not yet,checked Nebraska surplus today,still looking,tnx...George

Nebraska Surplus Sales' prices are absolutely astronomical. I use them
ONLY as an absolutely last resort.

Ken W7EKB

1308. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-14 21:20:02 UTC
From: Jim
Topic: 1303 Message: 1308

$urplu$ ale of Nebra$ka ....

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: george frost <kf9wv@att.net>; glowbugradio@yahoogroups.com
>Sent: Thursday, June 14, 2012 4:10 PM
>Subject: Re: [glowbugradio] relay and switch
>
>On 14 Jun 2012 at 14:03, george frost wrote:
>
>> Carl,not yet,checked Nebraska surplus today,still looking,tnx...George
>
>Nebraska Surplus Sales' prices are absolutely astronomical. I use them
>ONLY as an absolutely last resort.
>
>Ken W7EKB
>

1309. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-14 21:52:26 UTC
From: Kenneth G. Gordon
Topic: 1303 Message: 1309

On 14 Jun 2012 at 14:20, Jim wrote:

> $urplu$ ale of Nebra$ka ....

Hee hee! Indeed. :-)

However, they DO have (sometimes) some things one cannot find practically anywhere else...

Ken W7EKB

1310. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-14 23:13:06 UTC
From: Carl
Topic: 1303 Message: 1310

----- Original Message -----
From: Kenneth G. Gordon
To: Jim ; glowbugradio@yahoogroups.com
Sent: Thursday, June 14, 2012 5:52 PM
Subject: Re: [glowbugradio] relay and switch

On 14 Jun 2012 at 14:20, Jim wrote:

> $urplu$ ale of Nebra$ka ....

Hee hee! Indeed. :-)

However, they DO have (sometimes) some things one cannot find practically
anywhere else...

Ken W7EKB

Like low value NPO-750 dogbones to cut Hallicrafters and Hammarlund drift
way back.

Carl

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5070 - Release Date: 06/14/12

1311. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-15 12:02:02 UTC
From: N2EY@aol.com
Topic: 1303 Message: 1311

Does it have to be that specific relay, or will another type work OK?

73 de Jim, N2EY

In a message dated 6/14/2012 3:44:41 P.M. Eastern Daylight Time,
kf9wv@... writes:

For my project I need 2 relays,P&B KT11D and 1 wafer switch,sp3t,thamks
for looking...KF9WV

1312. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-15 12:37:18 UTC
From: george frost
Topic: 1303 Message: 1312

No, any will do.That was suggested but not picky...George

From: "N2EY@..." <N2EY@...>
To: glowbugradio@yahoogroups.com
Sent: Fri, June 15, 2012 8:02:17 AM
Subject: Re: [glowbugradio] relay and switch

Does it have to be that specific relay, or will another type work OK?

73 de Jim, N2EY

In a message dated 6/14/2012 3:44:41 P.M. Eastern Daylight Time, kf9wv@...
writes:

>For my project I need 2 relays,P&B KT11D and 1 wafer switch,sp3t,thamks for
>looking...KF9WV
>
>

1313. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-15 12:42:26 UTC
From: george frost
Topic: 1303 Message: 1313

any will do...George

From: "N2EY@aol.com" <N2EY@...>
To: glowbugradio@yahoogroups.com
Sent: Fri, June 15, 2012 8:02:17 AM
Subject: Re: [glowbugradio] relay and switch

Does it have to be that specific relay, or will another type work OK?

73 de Jim, N2EY

In a message dated 6/14/2012 3:44:41 P.M. Eastern Daylight Time, kf9wv@...
writes:

>For my project I need 2 relays,P&B KT11D and 1 wafer switch,sp3t,thamks for
>looking...KF9WV
>
>

1314. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-16 11:47:39 UTC
From: astro boy
Topic: 1303 Message: 1314

Hi carl

Just wondering where these would used to best effect ..??
To quench the drift ...

Perhaps in the Osc and /or not the Rf stages ???
In the IF cans ??

Thank you...

Astro...

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com; Jim <n6otq@...>
Sent: Friday, 15 June 2012 9:13 AM
Subject: Re: [glowbugradio] relay and switch

----- Original Message -----
From: Kenneth G. Gordon
To: Jim ; glowbugradio@yahoogroups.com
Sent: Thursday, June 14, 2012 5:52 PM
Subject: Re: [glowbugradio] relay and switch

On 14 Jun 2012 at 14:20, Jim wrote:

> $urplu$ ale of Nebra$ka ....

Hee hee! Indeed. :-)

However, they DO have (sometimes) some things one cannot find practically
anywhere else...

Ken W7EKB

Like low value NPO-750 dogbones to cut Hallicrafters and Hammarlund drift
way back.

Carl

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5070 - Release Date: 06/14/12

1315. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-16 13:02:31 UTC
From: Carl
Topic: 1303 Message: 1315

Right across the HFO tuning cap for starters, something in the 3-7pf range works well for a N-750 to N-1500 and is well within alignment range. Remaining drift can be done on a band specific need and I also often replace those ceramic or mica trimmers with a subminiature Johnson air variable in the 189 or 193 series. Those are out of production but show up in the usual places.

Drift will never be perfect but at least tolerable.

Sometimes just a HFO tube swap is the first step.

Carl
KM1H

----- Original Message -----
From: astro boy
To: glowbugradio@yahoogroups.com ; Jim
Sent: Saturday, June 16, 2012 7:47 AM
Subject: Re: [glowbugradio] relay and switch

Hi carl

Just wondering where these would used to best effect ..??
To quench the drift ...

Perhaps in the Osc and /or not the Rf stages ???
In the IF cans ??

Thank you...
Astro...

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com; Jim <n6otq@...>
Sent: Friday, 15 June 2012 9:13 AM
Subject: Re: [glowbugradio] relay and switch

----- Original Message -----
From: Kenneth G. Gordon
To: Jim ; glowbugradio@yahoogroups.com
Sent: Thursday, June 14, 2012 5:52 PM
Subject: Re: [glowbugradio] relay and switch

On 14 Jun 2012 at 14:20, Jim wrote:

> $urplu$ ale of Nebra$ka ....

Hee hee! Indeed. :-)

However, they DO have (sometimes) some things one cannot find practically anywhere else...

Ken W7EKB

Like low value NPO-750 dogbones to cut Hallicrafters and Hammarlund drift way back.

Carl

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5070 - Release Date: 06/14/12

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5071 - Release Date: 06/15/12

1316. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-16 13:24:47 UTC
From: astro boy
Topic: 1303 Message: 1316

Carl...

"" Drift will never be perfect but at least tolerable. ""

well hay ,, for such a simple fix that has to be a good place to start...

I will keep, an eye out for the mini trimmers also...

""Sometimes just a HFO tube swap is the first step""

UMM ok .....

Replacing the hfo tube with a new tube of same identity ,,,
or a better choice of HFO tube,,, such as a mini ....say

a 6c4 << (a stab in the dark with a blunt stick).. ?? :)

Thank you ...

Astro..

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com; Jim <n6otq@...>
Sent: Saturday, 16 June 2012 11:02 PM
Subject: Re: [glowbugradio] relay and switch

Right across the HFO tuning cap for starters, something in the 3-7pf range
works well for a N-750 to N-1500 and is well within alignment range.
Remaining drift can be done on a band specific need and I also often replace
those ceramic or mica trimmers with a subminiature Johnson air variable in
the 189 or 193 series. Those are out of production but show up in the usual
places.

Drift will never be perfect but at least tolerable.

Sometimes just a HFO tube swap is the first step.

Carl
KM1H

----- Original Message -----
From: astro boy
To: glowbugradio@yahoogroups.com ; Jim
Sent: Saturday, June 16, 2012 7:47 AM
Subject: Re: [glowbugradio] relay and switch

Hi carl

Just wondering where these would used to best effect ..??
To quench the drift ...

Perhaps in the Osc and /or not the Rf stages ???
In the IF cans ??

Thank you...
Astro...

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com; Jim <n6otq@...>
Sent: Friday, 15 June 2012 9:13 AM
Subject: Re: [glowbugradio] relay and switch

----- Original Message -----
From: Kenneth G. Gordon
To: Jim ; glowbugradio@yahoogroups.com
Sent: Thursday, June 14, 2012 5:52 PM
Subject: Re: [glowbugradio] relay and switch

On 14 Jun 2012 at 14:20, Jim wrote:

> $urplu$ ale of Nebra$ka ....

Hee hee! Indeed. :-)

However, they DO have (sometimes) some things one cannot find practically
anywhere else...

Ken W7EKB

Like low value NPO-750 dogbones to cut Hallicrafters and Hammarlund drift
way back.

Carl

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5070 - Release Date: 06/14/12

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5071 - Release Date: 06/15/12

1317. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-16 14:07:09 UTC
From: Theosleaper
Topic: 1303 Message: 1317

Hello,
When changing the content of the main topic in a reply, a rename of the "Subject:" line seems to make sense to me.
Rick, K1WYH

----- Original Message -----
From: astro boy
To: glowbugradio@yahoogroups.com ; Jim
Sent: Saturday, June 16, 2012 7:47 AM
Subject: Re: [glowbugradio] relay and switch

Hi carl

Just wondering where these would used to best effect ..??
To quench the drift ...

Perhaps in the Osc and /or not the Rf stages ???
In the IF cans ??

Thank you...
Astro...

From: Carl <km1h@...>
To: glowbugradio@...m; Jim <n6otq@...>
Sent: Friday, 15 June 2012 9:13 AM
Subject: Re: [glowbugradio] relay and switch

----- Original Message -----
From: Kenneth G. Gordon
To: Jim ; glowbugradio@yahoogroups.com
Sent: Thursday, June 14, 2012 5:52 PM
Subject: Re: [glowbugradio] relay and switch

On 14 Jun 2012 at 14:20, Jim wrote:

> $urplu$ ale of Nebra$ka ....

Hee hee! Indeed. :-)

However, they DO have (sometimes) some things one cannot find practically anywhere else...

Ken W7EKB

Like low value NPO-750 dogbones to cut Hallicrafters and Hammarlund drift way back.

Carl

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5070 - Release Date: 06/14/12

1318. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-16 18:37:45 UTC
From: Carl
Topic: 1303 Message: 1318

----- Original Message -----
From: astro boy
To: glowbugradio@yahoogroups.com ; Jim
Sent: Saturday, June 16, 2012 9:24 AM
Subject: Re: [glowbugradio] relay and switch

Carl...

"" Drift will never be perfect but at least tolerable. ""

well hay ,, for such a simple fix that has to be a good place to start...

I will keep, an eye out for the mini trimmers also...

""Sometimes just a HFO tube swap is the first step""

UMM ok .....

Replacing the hfo tube with a new tube of same identity ,,,
or a better choice of HFO tube,,, such as a mini ....say

a 6c4 << (a stab in the dark with a blunt stick).. ?? :)

Thank you ...
Astro..

With all the problems thare come from the 6C4 in Hammies and some Nationals
its not my first choice.

I would think the 6J6 or one of the early TV oscillators such as the 6AB4
has better potential. Both are common as dirt NIB.

Carl

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com; Jim <n6otq@...>
Sent: Saturday, 16 June 2012 11:02 PM
Subject: Re: [glowbugradio] relay and switch

Right across the HFO tuning cap for starters, something in the 3-7pf range
works well for a N-750 to N-1500 and is well within alignment range.
Remaining drift can be done on a band specific need and I also often replace
those ceramic or mica trimmers with a subminiature Johnson air variable in
the 189 or 193 series. Those are out of production but show up in the usual
places.

Drift will never be perfect but at least tolerable.

Sometimes just a HFO tube swap is the first step.

Carl
KM1H

----- Original Message -----
From: astro boy
To: glowbugradio@yahoogroups.com ; Jim
Sent: Saturday, June 16, 2012 7:47 AM
Subject: Re: [glowbugradio] relay and switch

Hi carl

Just wondering where these would used to best effect ..??
To quench the drift ...

Perhaps in the Osc and /or not the Rf stages ???
In the IF cans ??

Thank you...
Astro...

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com; Jim <n6otq@...>
Sent: Friday, 15 June 2012 9:13 AM
Subject: Re: [glowbugradio] relay and switch

----- Original Message -----
From: Kenneth G. Gordon
To: Jim ; glowbugradio@yahoogroups.com
Sent: Thursday, June 14, 2012 5:52 PM
Subject: Re: [glowbugradio] relay and switch

On 14 Jun 2012 at 14:20, Jim wrote:

> $urplu$ ale of Nebra$ka ....

Hee hee! Indeed. :-)

However, they DO have (sometimes) some things one cannot find practically
anywhere else...

Ken W7EKB

Like low value NPO-750 dogbones to cut Hallicrafters and Hammarlund drift
way back.

Carl

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5070 - Release Date: 06/14/12

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5071 - Release Date: 06/15/12

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2433/5073 - Release Date: 06/16/12

1319. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-19 20:10:22 UTC
From: george frost
Topic: 1303 Message: 1319

Jim,I'm having a problem with my server,if you sent me an email I didn;t get,so please try again...George

---

From: "N2EY@..." <N2EY@...>
To: glowbugradio@yahoogroups.com
Sent: Fri, June 15, 2012 8:02:17 AM
Subject: Re: [glowbugradio] relay and switch

Does it have to be that specific relay, or will another type work OK?

73 de Jim, N2EY

In a message dated 6/14/2012 3:44:41 P.M. Eastern Daylight Time, kf9wv@... writes:

>For my project I need 2 relays,P&B KT11D and 1 wafer switch,sp3t,thamks for
>looking...KF9WV
>
>

1320. STANCOR ISOLATION TRANSFORMER FOR SALE

Yahoo group: glowbugradio
Date: 2012-06-20 01:49:18 UTC
From: K0DAN
Topic: 1320 Message: 1320

I have a nice (near new) Stancor isolation transformer that is surplus to my needs. Could be just what you need for that hum or RFI problem! It is a model GIS-150 spec'd for nominal 115VAC and power rating of 150VA.

Specs and photos available here:
http://www.mouser.com/Search/ProductDetail.aspx?qs=UmzvcGcLxU8eB2MvedPLbA%3D%3D
http://www.alliedelec.com/search/productdetail.aspx?sku=70213214
http://www.stancor.com/pdfs/install_sheets/0037-6206.pdf
http://www.stancor.com/pdfs/catalog_2006/pg_038_39.pdf

Mouser sells these new for a bit over $100. Mine is available for $45 plus shipping (can probably fit in a medium USPS flat rate box). Personal check or PayPal. Please contact me offlist if interested. (Photos available on request.)

Thanks and 73

Dan
K0DAN

1321. ALLIANCE (CDR) ROTOR CONTROL BOX FOR SALE

Yahoo group: glowbugradio
Date: 2012-06-22 00:16:26 UTC
From: K0DAN
Topic: 1321 Message: 1321

Rotor control box, Alliance (CDR) Model U110. The controller lights up, puts out around 14VAC, and the solenoid works.

Photos available.

$20 + shipping.

Also, free if you want it and are willing to pay the shipping, is a CDR bell-shaped TRA-4 rotor. Includes documentation. It was paired with the above controller, and reportedly "was working when removed from service", but I could not get it to operate. Perhaps the gears/bearings are frozen, perhaps it's something else, I did not bother to take it apart or troubleshoot. For $20 + shipping, this could be an inexpensive way to set up a rotator for a lightweight VHF/UHF antenna, spider beam, etc.

If interested, contact me off-list.

73

Dan
K0DAN

1322. BOOM MIC/MIC STAND/DAZOR FOR SALE

Yahoo group: glowbugradio
Date: 2012-06-22 00:16:44 UTC
From: K0DAN
Topic: 1322 Message: 1322

Actually this is not exactly a “boom mic” but is a DAZOR MP “Floating Fixture”, which was sold by Motorola (TU587) as a microphone mount for their dispatch consoles. Will make a great floating microphone mount for your hamshack. It has the standard microphone threads and is pre-wired with shielded/balanced cable and an Amphenol connector.

This one is new/unused in original box, with data sheet, cables, mounting hardware, and connectors. The paint on one side is a little pitted, but not bad. If interested, please contact me off-list and I will send photos. $50 + shipping.

The DAZOR “floating arm fixtures” are also used to mount lamps, jewelers magnifying lenses, tools, etc. DAZOR is still in business, their home page is http://www.dazor.com/. You can also find many of their models at the auction place (search for DAZOR).

Tnx es 73
Dan
K0DAN

1323. RE: [glowbugradio] ALLIANCE (CDR) ROTOR CONTROL BOX FOR SALE

Yahoo group: glowbugradio
Date: 2012-06-22 00:23:42 UTC
From: D C *Mac* Macdonald
Topic: 1321 Message: 1323

Alliance is NOT Cornell-Dubilier (CDR).

I seriously doubt that the two units are compatible.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: k0dan@...
Date: Thu, 21 Jun 2012 19:16:26 -0500
Subject: [glowbugradio] ALLIANCE (CDR) ROTOR CONTROL BOX FOR SALE

Rotor control box, Alliance (CDR) Model U110. The controller lights up,
puts out around 14VAC, and the solenoid works.

Photos available.

$20 + shipping.

Also, free if you want it and are willing to pay the shipping, is a CDR
bell-shaped TRA-4 rotor. Includes documentation. It was paired with the
above controller, and reportedly "was working when removed from service",
but I could not get it to operate. Perhaps the gears/bearings are frozen,
perhaps it's something else, I did not bother to take it apart or
troubleshoot. For $20 + shipping, this could be an inexpensive way to set up
a rotator for a lightweight VHF/UHF antenna, spider beam, etc.

If interested, contact me off-list.

73

Dan
K0DAN

1324. Re: [glowbugradio] relay and switch

Yahoo group: glowbugradio
Date: 2012-06-24 12:21:53 UTC
From: kf9wv@att.net
Topic: 1303 Message: 1324

Jim,do you have any 12vdc relays?...George
----- Original Message -----
From: N2EY@...
To: glowbugradio@yahoogroups.com
Sent: Friday, June 15, 2012 12:02 PM
Subject: Re: [glowbugradio] relay and switch

Does it have to be that specific relay, or will another type work OK?

73 de Jim, N2EY

In a message dated 6/14/2012 3:44:41 P.M. Eastern Daylight Time, kf9wv@... writes:

For my project I need 2 relays,P&B KT11D and 1 wafer switch,sp3t,thamks for looking...KF9WV

1325. STANCOR ISOLATION TRANSFORMER F/S

Yahoo group: glowbugradio
Date: 2012-07-02 23:06:51 UTC
From: K0DAN
Topic: 1325 Message: 1325

I have a near new Stancor isolation transformer that is surplus to my needs.
Model GIS-150 spec’d for nominal 115VAC and power rating of 150VA.

Specs and photos available here:

http://www.mouser.com/Search/ProductDetail.aspx?qs=UmzvcGcLxU8eB2MvedPLbA%3D%3D

http://www.stancor.com/pdfs/install_sheets/0037-6206.pdf

http://www.stancor.com/pdfs/catalog_2006/pg_038_39.pdf

$45 plus shipping in a medium USPS flat rate box. Please contact me offlist
if interested. Photos available on request.

Thanks and 73

Dan
K0DAN

1326. Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-25 02:06:00 UTC
From: Kenneth G. Gordon
Topic: 1326 Message: 1326

Gentlemen and Ladies:

I have spent the last two years working with Chinese "572Bs", which, in point of fact, are no
such thing.

I have decided that in the interests of reliability and availability of decent tubes, I am going to
convert at least one of my SB-200s over to a pair of 4CX250Bs.

I have all the necessary bits to accomplish this, now.

The only thing I am unsure of is WHERE on that chassis to mount them. I have two choices:
1) basically on the rear chassis wall where the original 4 pin 572B sockets were mounted, or
2) down on the main deck MUCH closer to the plate RF choke.

The advantage to choice 1) is that it will be both easier to seal off that area to make it a
"plenum" under the tubes, to mount the blower, and to connect the filament transformer leads
and filament voltage dropping resistor.

The disadvantage is that this puts the plates of the tubes quite a "long" distance from the plate RF choke, necessitating a wire about 4" long to reach that from the plates of the tubes.

The advantage to 2) is that it puts the plates much closer to the plate RF choke, and thus keeps all RF leads, at least on the plate side, as short as possible.

The disadvantage is that I must reroute the filament voltage source, and making a properly sealed plenum under the tubes is a bit more difficult.

I am inclined to choose choice 2), mounting the tubes as close to the plate RF choke as possible.

Ken W7EKB

1327. Re: Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-25 05:53:15 UTC
From: Kenneth G. Gordon
Topic: 1326 Message: 1327

On 24 Jul 2012 at 21:19, Paul Kraemer wrote:

> Good for you Ken
> Been tempted that way myself many times. Grounded grid with the funny
> circuit where the grids are connected to the cathode through 1K resistor?

No. The grids can draw up to a couple of amps, even that way. Not too good. I know that some folks have made it work, but it isn't my idea of "safe".

> I
> hear it rocks. Or, swamped grid with a regulated screen supply.

Swamped-grid with regulated screen supply. More pleasing to me. :-)

Rich Measures has an interesting and SAFE way of using a string of Zeners and a dropping resistor off the plate supply so I don't have to find room for a separate screen supply.

I even have a center-zero meter for metering the screen current.

And I have a very nice blower (NOS) which came out of a WWII 50 - 100 MHz 300 watt amp which used a pair of 4E27s.

> That is a
> bit touchy with 4CX250B. Shouldn't be---but it is.

Perhaps. It seems to be recommended by several I have found who have tried both ways, though.

> Pair of 813's? I know, wrong filament volts.

Well, that isn't the problem for me: the problem for me is that there is too much Cgp. Doesn't
work too well much above 15 meters. Still....

I really don't do much work above 15 meters, and one hardly needs an amp up there anyway. And I have several 813s and sockets. They MIGHT fit. ;-)

Hmmmm....now I have a third choice.

> I vote for #1. Disadvantages outweighed by simplicity. Just use a substatial
> plate lead of strap. After all, it is only 30mhz max, not exactly UHF.

Hmmm......you certainly have a good point...

Oh, quandry, quandry, quandry..... :-)

Ken W7EKB

1328. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-25 11:17:16 UTC
From: Carl
Topic: 1326 Message: 1328

While the 4CX250 is inherently more stable than a Chinese 572B, and even more so with a swamped grid input, you have the higher output C to contend with IF you plan on 10M. Its 4.5pf vs .7pf per tube. This means a smaller 10M coil since the Tune cap is already just about full open.

As far as cooling consider mounting a muffin fan below the chassis and then a sub chassis on top. EBM-Papst has some very efficient fans such as the one that keeps the three 3CX800's cool in the LK-800 and that complete tube deck, tubes included, is only 5.5" high. You have 4.5" above the SB-200 chassis already and the 4CX250 is a shorter tube plus you need a lot less air flow. Id try a couple of the standard (ie: cheap) 5" muffin fans and pick the one that works best with the back pressure while producing an adequate flow. Reduce voltage as needed to reduce the noise.

IMO, a blower is overkill requiring a lot of work to implement. KISS.....

Also dont forget to compensate for the 6.0V filament plus the reduced filament load on the transformer.

The 4CX250 requires 3.8cfm @ .3" of pressure drop and thats with the kluge SK-600 socket. The tube itself requires 3.6cfm @ .1".

OTOH the 3CX800, even at a reduced 600W Pd, requires 11cfm @ .5" without the socket.

Its also better to blow the hot air straight up and out rather than at the tank circuit.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Tuesday, July 24, 2012 10:06 PM
Subject: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Gentlemen and Ladies:

I have spent the last two years working with Chinese "572Bs", which, in point of fact, are no
such thing.

I have decided that in the interests of reliability and availability of decent tubes, I am going to
convert at least one of my SB-200s over to a pair of 4CX250Bs.

I have all the necessary bits to accomplish this, now.

The only thing I am unsure of is WHERE on that chassis to mount them. I have two choices:
1) basically on the rear chassis wall where the original 4 pin 572B sockets were mounted, or
2) down on the main deck MUCH closer to the plate RF choke.

The advantage to choice 1) is that it will be both easier to seal off that area to make it a
"plenum" under the tubes, to mount the blower, and to connect the filament transformer leads
and filament voltage dropping resistor.

The disadvantage is that this puts the plates of the tubes quite a "long" distance from the
plate RF choke, necessitating a wire about 4" long to reach that from the plates of the tubes.

The advantage to 2) is that it puts the plates much closer to the plate RF choke, and thus
keeps all RF leads, at least on the plate side, as short as possible.

The disadvantage is that I must reroute the filament voltage source, and making a properly
sealed plenum under the tubes is a bit more difficult.

I am inclined to choose choice 2), mounting the tubes as close to the plate RF choke as
possible.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5152 - Release Date: 07/24/12

1329. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-25 20:19:03 UTC
From: Kenneth G. Gordon
Topic: 1326 Message: 1329

On 25 Jul 2012 at 7:17, Carl wrote:

> While the 4CX250 is inherently more stable than a Chinese 572B, and
> even more so with a swamped grid input, you have the higher output C
> to contend with IF you plan on 10M. Its 4.5pf vs .7pf per tube. This
> means a smaller 10M coil since the Tune cap is already just about full
> open.

'Taint hard to add a tap for 10 meters. I may do that.

> As far as cooling consider mounting a muffin fan below the chassis and
> then a sub chassis on top. EBM-Papst has some very efficient fans such
> as the one that keeps the three 3CX800's cool in the LK-800 and that
> complete tube deck, tubes included, is only 5.5" high. You have 4.5"
> above the SB-200 chassis already and the 4CX250 is a shorter tube plus
> you need a lot less air flow. Id try a couple of the standard (ie:
> cheap) 5" muffin fans and pick the one that works best with the back
> pressure while producing an adequate flow. Reduce voltage as needed to
> reduce the noise.

I had wondered about the muffin fan, thanks. I am not certain how to measure air flow. I don't have a U-tube I can fill with some water, but may go out the University to buy one.

The sockets I am using are a pair of much smaller military sockets that came out of the T-195 which used a pair of 4X150As. It is obvious that these sockets were originally made by Eimac. They have attached chimneys made of something like bakelite, except it isn't. The sockets themselves are identical with those in the SK-600 sockets which came with my 4CX250Bs.

I also have a pair of 7034s which were NIB when I got them. Those also have a 250 watt PD, and except for the single glass seal near the base, their other characteristics appear to be identical to the 4CX250B.

> IMO, a blower is overkill requiring a lot of work to implement.

I agree.

> KISS.....

My very most favorite "saying".... :-)

> Also dont forget to compensate for the 6.0V filament plus the reduced
> filament load on the transformer.

Yes. I have thought of that, thanks. I'll take care of that when the time comes.

> The 4CX250 requires 3.8cfm @ .3" of pressure drop and thats with the
> kluge SK-600 socket. The tube itself requires 3.6cfm @ .1".
>
> OTOH the 3CX800, even at a reduced 600W Pd, requires 11cfm @ .5"
> without the socket.

I don't have one of those. ;-)

> Its also better to blow the hot air straight up and out rather than at
> the tank circuit.

Thanks. I had thought of that too. Choice # 2, then: mount them as near to the RF choke as possible. I prefer that anyway. BTW, there is something like 1 to 1.5 inches below the chassis too.

After I removed the 572Bs, I was somewhat surprised at all the room in there. If the power supply wasn't so wimpy, I could easily install 4 ea 4CX250Bs in there with plenty of room left over.

Ken W7EKB

1330. SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-25 20:53:43 UTC
From: Kenneth G. Gordon
Topic: 1330 Message: 1330

Hmmm....a 4" 110 VAC muffin fan I have here outputs 65 CFM....

2 X 4CX250Bs would require about 8 CFM.

I wonder how much loss I can figure on?

Ken W7EKB

1331. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-25 21:13:05 UTC
From: cvest@cox.net
Topic: 1326 Message: 1331

If you have some clear plastic tubing , just use it in a "U" shape attached to a piece of cardboard (wire ties) and put a tape measure or ruler next to it . You can add a little food coloring or something if it makes it easier for you to see . Easy way to measure IWC without having to buy a manometer . I build as much as possible from the junk box :)

Charlie , W5COV

---- "Kenneth G. Gordon" <kgordon2006@...> wrote:
> On 25 Jul 2012 at 7:17, Carl wrote:
>
> > While the 4CX250 is inherently more stable than a Chinese 572B, and
> > even more so with a swamped grid input, you have the higher output C
> > to contend with IF you plan on 10M. Its 4.5pf vs .7pf per tube. This
> > means a smaller 10M coil since the Tune cap is already just about full
> > open.
>
> 'Taint hard to add a tap for 10 meters. I may do that.
>
> > As far as cooling consider mounting a muffin fan below the chassis and
> > then a sub chassis on top. EBM-Papst has some very efficient fans such
> > as the one that keeps the three 3CX800's cool in the LK-800 and that
> > complete tube deck, tubes included, is only 5.5" high. You have 4.5"
> > above the SB-200 chassis already and the 4CX250 is a shorter tube plus
> > you need a lot less air flow. Id try a couple of the standard (ie:
> > cheap) 5" muffin fans and pick the one that works best with the back
> > pressure while producing an adequate flow. Reduce voltage as needed to
> > reduce the noise.
>
> I had wondered about the muffin fan, thanks. I am not certain how to
> measure air flow. I don't have a U-tube I can fill with some water, but may go
> out the University to buy one.
>
> The sockets I am using are a pair of much smaller military sockets that came
> out of the T-195 which used a pair of 4X150As. It is obvious that these
> sockets were originally made by Eimac. They have attached chimneys made
> of something like bakelite, except it isn't. The sockets themselves are
> identical with those in the SK-600 sockets which came with my 4CX250Bs.
>
> I also have a pair of 7034s which were NIB when I got them. Those also
> have a 250 watt PD, and except for the single glass seal near the base, their
> other characteristics appear to be identical to the 4CX250B.
>
> > IMO, a blower is overkill requiring a lot of work to implement.
>
> I agree.

>
> > KISS.....
>
> My very most favorite "saying".... :-)
>
> > Also dont forget to compensate for the 6.0V filament plus the reduced
> > filament load on the transformer.
>
> Yes. I have thought of that, thanks. I'll take care of that when the time
> comes.
>
> > The 4CX250 requires 3.8cfm @ .3" of pressure drop and thats with the
> > kluge SK-600 socket. The tube itself requires 3.6cfm @ .1".
> >
> > OTOH the 3CX800, even at a reduced 600W Pd, requires 11cfm @ .5"
> > without the socket.
>
> I don't have one of those. ;-)
>
> > Its also better to blow the hot air straight up and out rather than at
> > the tank circuit.
>
> Thanks. I had thought of that too. Choice # 2, then: mount them as near to
> the RF choke as possible. I prefer that anyway. BTW, there is something like
> 1 to 1.5 inches below the chassis too.
>
> After I removed the 572Bs, I was somewhat surprised at all the room in
> there. If the power supply wasn't so wimpy, I could easily install 4 ea
> 4CX250Bs in there with plenty of room left over.
>
> Ken W7EKB

1332. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-25 21:21:17 UTC
From: Marvin Match
Topic: 1326 Message: 1332

On 7/25/2012 2:19 PM, Kenneth G. Gordon wrote:

> I had wondered about the muffin fan, thanks. I am not certain how to
> measure air flow. I don't have a U-tube I can fill with some water,
> but may go
> out the University to buy one.
>

I have an amplifier using a pair of 7034's that an SK friend built in a Heathkit case. I think the case was from an SB or HW transceiver, not an SB-200. He mounted the tubes sideways on a subchassis and cooled them with a muffin fan, blowing into the subchassis and pressurizing it. The thing eats tubes because it doesn't cool well enough and the seals on the tubes fail either at the anode or at the pins. I don't think you can get enough airflow from a muffin because a muffin cannot create much pressure, but who knows? Mounting the tubes straight up would certainly help a little, but I'd make darn sure I had sufficient air volume and especially pressure.

You can make a manometer out of any piece of clear plastic tubing and a ruler. Just tape the tubing onto the ruler in a loop, fill it halfway with water, add a little food coloring if you want, and you're done. If you can demonstrate to yourself that the pressure drop across the tubes is sufficient then the volume should be sufficient, assuming the air can exhaust from the tubes AND the cabinet unobstructed.
>
>
> The sockets I am using are a pair of much smaller military sockets
> that came
> out of the T-195 which used a pair of 4X150As. It is obvious that these
> sockets were originally made by Eimac. They have attached chimneys made
> of something like bakelite, except it isn't. The sockets themselves are
> identical with those in the SK-600 sockets which came with my 4CX250Bs.
>
> I also have a pair of 7034s which were NIB when I got them. Those also
> have a 250 watt PD, and except for the single glass seal near the
> base, their
> other characteristics appear to be identical to the 4CX250B.
>

The seals on the 7034 are glass, therefore not as rugged as the ceramic 4CX250's. Overheat it, the seals fail, the tube looses vacuum.
>
>
> > IMO, a blower is overkill requiring a lot of work to implement.
>

I'm of the opinion that a blower is required and a fan is inadequate. For me, the attraction to use a fan is less noise. I've considered stacking muffins to build more pressure, but by the time you've done that, the stack is as noisy as the blower would have been.

Marvin
KA7TPH

1333. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-25 22:28:46 UTC
From: Kenneth G. Gordon
Topic: 1330 Message: 1333

On 25 Jul 2012 at 17:46, Mike Hanz wrote:

> Hi ken,

Hello, Mike.

> I did some research on those tubes when I was thinking about putting a
> pair in a WWII aircraft ATR box for a linear. The problem with the
> muffin fans, IIRC, was that they 'give up' at a very low back
> pressure. In other words, the graph of flow versus back pressure is
> pretty steep.

Thanks. I figured that out. I have built many, many computers which use those, and that issue came up several times.

> The writers of most of the ARRL Handbook projects of
> the era that use the Eimac 4x tubes all caution to use a squirrel cage
> blower, which can maintain its CFM at a much higher back pressure.
> You might want to look for one of those of the right size. I have one
> here you can have, but I was planning on using 400Hz power, so it
> might not be too useful to you.

Thanks, Mike, but I have several really nice 110VAC 60HZ blowers which I got out of an AN/TRC-8 amplifier, never used. They are pretty robust.

What has got me sort of confused on this issue is that the AmpSupply LK-800 uses a 5" diameter muffin fan directly under 3 X 4CX800s.

However, the tubes are mounted on top of a box which appears to be about 3" tall, so there is considerable space ABOVE the fan. The box is then bolted securely to the top of the chassis above the hole under which the fan is mounted.

There are also three sort of "chimneys" made of some sort of soft-ish plastic, fairly thick, that is formed into a cone and ducts the air flow upwards to the top of the cabinet.

I suspect that those "chimneys" were added to increase the natural convection of the hot air upwards.

The entire thing seemed to be somewhat "iffy" to me, but I don't know anything (yet) about proper cooling of these sorts of tubes.

Ken W7EKB

1334. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-26 01:20:13 UTC
From: Carl
Topic: 1326 Message: 1334

There are cheap muffin fans with loose tolerances and poor blade designs that cant handle back pressure and the SK-600 socket is like hitting a wall. Ken has better sockets and there are much better fans available.

As I said yesterday a 4.5" fan cools THREE 3CX800A7's just fine at 2400W out in a LK-800. Thats about 1200W in heat blowing thru the fins so the tubes are loafing at only 100W drive. At 150W drive and 3000W out they are still well below the temp spec. Its all metal, made in Germany and about $38 last time I bought one. Ken doesnt need that level of performance.

Carl
KM1H

----- Original Message -----
From: Marvin Match
To: glowbugradio@yahoogroups.com
Sent: Wednesday, July 25, 2012 5:21 PM
Subject: Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

On 7/25/2012 2:19 PM, Kenneth G. Gordon wrote:

I had wondered about the muffin fan, thanks. I am not certain how to measure air flow. I don't have a U-tube I can fill with some water, but may go
out the University to buy one.

I have an amplifier using a pair of 7034's that an SK friend built in a Heathkit case. I think the case was from an SB or HW transceiver, not an SB-200. He mounted the tubes sideways on a subchassis and cooled them with a muffin fan, blowing into the subchassis and pressurizing it. The thing eats tubes because it doesn't cool well enough and the seals on the tubes fail either at the anode or at the pins. I don't think you can get enough airflow from a muffin because a muffin cannot create much pressure, but who knows? Mounting the tubes straight up would certainly help a little, but I'd make darn sure I had sufficient air volume and especially pressure.

You can make a manometer out of any piece of clear plastic tubing and a ruler. Just tape the tubing onto the ruler in a loop, fill it halfway with water, add a little food coloring if you want, and you're done. If you can demonstrate to yourself that the pressure drop across the tubes is sufficient then the volume should be sufficient, assuming the air can exhaust from the tubes AND the cabinet unobstructed.

The sockets I am using are a pair of much smaller military sockets that came out of the T-195 which used a pair of 4X150As. It is obvious that these sockets were originally made by Eimac. They have attached chimneys made of something like bakelite, except it isn't. The sockets themselves are

identical with those in the SK-600 sockets which came with my 4CX250Bs.

I also have a pair of 7034s which were NIB when I got them. Those also have a 250 watt PD, and except for the single glass seal near the base, their
other characteristics appear to be identical to the 4CX250B.

The seals on the 7034 are glass, therefore not as rugged as the ceramic 4CX250's. Overheat it, the seals fail, the tube looses vacuum.

> IMO, a blower is overkill requiring a lot of work to implement.

I'm of the opinion that a blower is required and a fan is inadequate. For me, the attraction to use a fan is less noise. I've considered stacking muffins to build more pressure, but by the time you've done that, the stack is as noisy as the blower would have been.

Marvin
KA7TPH

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5154 - Release Date: 07/25/12

1335. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-26 01:44:01 UTC
From: Carl
Topic: 1330 Message: 1335

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, July 25, 2012 6:28 PM
Subject: Re: [glowbugradio] SB-200 and 2 X 4CX250B

On 25 Jul 2012 at 17:46, Mike Hanz wrote:

> Hi ken,

Hello, Mike.

> I did some research on those tubes when I was thinking about putting a
> pair in a WWII aircraft ATR box for a linear. The problem with the
> muffin fans, IIRC, was that they 'give up' at a very low back
> pressure. In other words, the graph of flow versus back pressure is
> pretty steep.

Thanks. I figured that out. I have built many, many computers which use
those, and that issue came up several times.

> The writers of most of the ARRL Handbook projects of
> the era that use the Eimac 4x tubes all caution to use a squirrel cage
> blower, which can maintain its CFM at a much higher back pressure.
> You might want to look for one of those of the right size. I have one
> here you can have, but I was planning on using 400Hz power, so it
> might not be too useful to you.

** Those writers are probably dead by now and technology has improved since
the 50's

Thanks, Mike, but I have several really nice 110VAC 60HZ blowers which I
got out of an AN/TRC-8 amplifier, never used. They are pretty robust.

What has got me sort of confused on this issue is that the AmpSupply LK-
800 uses a 5" diameter muffin fan directly under 3 X 4CX800s.

** Yes

However, the tubes are mounted on top of a box which appears to be about
3" tall, so there is considerable space ABOVE the fan. The box is then
bolted
securely to the top of the chassis above the hole under which the fan is
mounted.

** Correct and it is why I suggested you do something similar. Mount the fab
below the chassis and the tube box on top.

There are also three sort of "chimneys" made of some sort of soft-ish plastic,
fairly thick, that is formed into a cone and ducts the air flow upwards to the
top of the cabinet.

** The chimneys go from chassis level to about midway up the anode. Those other thingies are high temp silicone rubber exhaust stacks that get the heat out. Most of the larger amps use them. They do add to the back pressure a bit.

I suspect that those "chimneys" were added to increase the natural convection of the hot air upwards.

The entire thing seemed to be somewhat "iffy" to me, but I don't know anything (yet) about proper cooling of these sorts of tubes.

** Oh ye of little faith!
Whats iffy about something thats been around for about 26 years as has the LK-800?
The ONLY way to find out what will work is to cobble something up similar to what would be in the amp using those sockets and tubes. You can get a damn good feel for airflow with just your hand...youre not trying to blow the tubes out of the sockets as military overkill often did and your not operating at 40000' either.

Denny Had tried to get away with a cheap muffin fan in the 70's on a 8877 amp, the Dentron DTR-2000L. While it worked well at the 2000W PEP INPUT rule back then it wasnt up to those trying for 2000W OUTPUT and he went with a small blower. By the time Amp Supply was getting into the LK-800 project he learned what did and didnt work for fans.

BTW, his MLA-2500 was cooled fine with a muffin fan using axial cooled 8875's at 1000-1200W output.

Carl
KM1H

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5155 - Release Date: 07/25/12

1336. RE: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-26 01:58:13 UTC
From: D C *Mac* Macdonald
Topic: 1330 Message: 1336

Hi, Carl.

Do I remember correctly that you came up with
some ideas to improve the Dentron DTR-2000L?

I had some intermittent arcing somewhere in the
output circuitry. The 8877 filament failed at
around 250 hours of on time. Filament voltage
turned out to be WAY too high. Wound several
strands of aircraft safety wire together and
then wound them into a loose coil to drop the
filament voltage down to 5.0 Volts. Lost the
house and shack in a tornado in 1999 but now
going to try to get it back going again.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF, Ret (61-81) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@jeremy.mv.com
Date: Wed, 25 Jul 2012 21:44:01 -0400
Subject: Re: [glowbugradio] SB-200 and 2 X 4CX250B

Denny Had tried to get away with a cheap muffin fan in the 70's on a 8877
amp, the Dentron DTR-2000L. While it worked well at the 2000W PEP INPUT rule
back then it wasnt up to those trying for 2000W OUTPUT and he went with a
small blower. By the time Amp Supply was getting into the LK-800 project he
learned what did and didnt work for fans.

BTW, his MLA-2500 was cooled fine with a muffin fan using axial cooled
8875's at 1000-1200W output.

Carl
KM1H

1337. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-26 02:42:54 UTC
From: Kenneth G. Gordon
Topic: 1330 Message: 1337

On 25 Jul 2012 at 21:44, Carl wrote:

> > The writers of most of the ARRL Handbook projects of
> > the era that use the Eimac 4x tubes all caution to use a squirrel cage
> > blower, which can maintain its CFM at a much higher back pressure.
> > You might want to look for one of those of the right size. I have one
> > here you can have, but I was planning on using 400Hz power, so it
> > might not be too useful to you.
>
> ** Those writers are probably dead by now and technology has improved since
> the 50's

Yup...to both.

> What has got me sort of confused on this issue is that the AmpSupply LK-
> 800 uses a 5" diameter muffin fan directly under 3 X 3CX800s.
>
> ** Yes
>
> However, the tubes are mounted on top of a box which appears to be about
> 3" tall, so there is considerable space ABOVE the fan. The box is then
> bolted
> securely to the top of the chassis above the hole under which the fan is
> mounted.
>
> ** Correct and it is why I suggested you do something similar. Mount the fan
> below the chassis and the tube box on top.

I'm going to do just that. I have to have room UNDER the tubes for various bits. The subchassis on which I'll mount the tubes and sockets can be as much as 1.75" tall, but I won't need that much room. Total height of tubes and sockets above the chassis is 2.25". Total height from bottom deck to lid is 4 1/8". I'll probably make the subchassis about 1 1/4
inches tall.

> ** The chimneys go from chassis level to about midway up the anode. Those
> other thingies are high temp silicone rubber exhaust stacks that get the
> heat out. Most of the larger amps use them. They do add to the back pressure
> a bit.

OK. Thanks. I don't think I am going to need those.

> I don't know
> anything (yet) about proper cooling of these sorts of tubes.
>
> ** Oh ye of little faith!

Hee hee! :-)

> Whats iffy about something thats been around for about 26 years as has the
> LK-800?

Nothing. I had no idea it had been around that long. Gee...

> The ONLY way to find out what will work is to cobble something up similar to
> what would be in the amp using those sockets and tubes. You can get a damn
> good feel for airflow with just your hand...youre not trying to blow the
> tubes out of the sockets as military overkill often did and your not
> operating at 40000' either.

Like the AN/GRC-19 with its blowers that would knock over a bull-elephant at 200 yards...:-)

OK. Got it. I will be making a small chassis this week.

Then I have to find a 5" (127mm) 115 VAC square muffin fan. A new one from Mouser is about $40.00. Should be able to find one at our University surplus for less than that.

Thanks, Carl, and everyone else here.

vy 73,

Ken W7EKB

1338. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-26 03:01:55 UTC
From: Kenneth G. Gordon
Topic: 1330 Message: 1338

Well ! I just found, in my stash, a VERY heavy-duty 5" muffin fan with a steel frame. It will
JUST fit under the chassis.

Gee...looks like I'm on a roll...

Ken W7EKB

1339. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-26 03:51:42 UTC
From: Bob Macklin
Topic: 1330 Message: 1339

FWIW!

Muffin fans were designed to be used as exhaust fans.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, July 25, 2012 8:01 PM
Subject: Re: [glowbugradio] SB-200 and 2 X 4CX250B

Well ! I just found, in my stash, a VERY heavy-duty 5" muffin fan with a steel frame. It will
JUST fit under the chassis.

Gee...looks like I'm on a roll...

Ken W7EKB

1340. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-26 04:00:07 UTC
From: Kenneth G. Gordon
Topic: 1330 Message: 1340

On 25 Jul 2012 at 20:51, Bob Macklin wrote:

> FWIW!
>
> Muffin fans were designed to be used as exhaust fans.

Correct! Nonetheless, they are used in several modern amps to cool external anode tubes.

Ken W7EKB

1341. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-26 04:18:39 UTC
From: mac
Topic: 1326 Message: 1341

This seems to be getting awfully involved. Sure there isn't a decent pair of 572Bs kicking around out there somewhere, NOS Centrons for ex......? :^)

Dennis D. W7QHO
Glendale, CA

On Jul 25, 2012, at 2:13 PM, <cvest@...> <cvest@...> wrote:

> If you have some clear plastic tubing , just use it in a "U" shape
> attached to a piece of cardboard (wire ties) and put a tape
> measure or ruler next to it . You can add a little food coloring or
> something if it makes it easier for you to see . Easy way to measure
> IWC without having to buy a manometer . I build as much as possible
> from the junk box :)
>
> Charlie , W5COV
>
> ---- "Kenneth G. Gordon" <kgordon2006@...> wrote:
> > On 25 Jul 2012 at 7:17, Carl wrote:
> >
> > > While the 4CX250 is inherently more stable than a Chinese 572B,
> and
> > > even more so with a swamped grid input, you have the higher
> output C
> > > to contend with IF you plan on 10M. Its 4.5pf vs .7pf per tube.
> This
> > > means a smaller 10M coil since the Tune cap is already just
> about full
> > > open.
> >
> > 'Taint hard to add a tap for 10 meters. I may do that.
> >
> > > As far as cooling consider mounting a muffin fan below the
> chassis and
> > > then a sub chassis on top. EBM-Papst has some very efficient
> fans such
> > > as the one that keeps the three 3CX800's cool in the LK-800 and
> that
> > > complete tube deck, tubes included, is only 5.5" high. You have
> 4.5"
> > > above the SB-200 chassis already and the 4CX250 is a shorter
> tube plus
> > > you need a lot less air flow. Id try a couple of the standard (ie:
> > > cheap) 5" muffin fans and pick the one that works best with the
> back

> > > pressure while producing an adequate flow. Reduce voltage as
> needed to
> > > reduce the noise.
> >
> > I had wondered about the muffin fan, thanks. I am not certain how to
> > measure air flow. I don't have a U-tube I can fill with some
> water, but may go
> > out the University to buy one.
> >
> > The sockets I am using are a pair of much smaller military sockets
> that came
> > out of the T-195 which used a pair of 4X150As. It is obvious that
> these
> > sockets were originally made by Eimac. They have attached chimneys
> made
> > of something like bakelite, except it isn't. The sockets
> themselves are
> > identical with those in the SK-600 sockets which came with my
> 4CX250Bs.
> >
> > I also have a pair of 7034s which were NIB when I got them. Those
> also
> > have a 250 watt PD, and except for the single glass seal near the
> base, their
> > other characteristics appear to be identical to the 4CX250B.
> >
> > > IMO, a blower is overkill requiring a lot of work to implement.
> >
> > I agree.
> >
> > > KISS.....
> >
> > My very most favorite "saying".... :-)
> >
> > > Also dont forget to compensate for the 6.0V filament plus the
> reduced
> > > filament load on the transformer.
> >
> > Yes. I have thought of that, thanks. I'll take care of that when
> the time
> > comes.
> >
> > > The 4CX250 requires 3.8cfm @ .3" of pressure drop and thats with
> the
> > > kluge SK-600 socket. The tube itself requires 3.6cfm @ .1".
> > >
> > > OTOH the 3CX800, even at a reduced 600W Pd, requires 11cfm @ .5"
> > > without the socket.
> >
> > I don't have one of those. ;-)

> >
> > > Its also better to blow the hot air straight up and out rather
> than at
> > > the tank circuit.
> >
> > Thanks. I had thought of that too. Choice # 2, then: mount them as
> near to
> > the RF choke as possible. I prefer that anyway. BTW, there is
> something like
> > 1 to 1.5 inches below the chassis too.
> >
> > After I removed the 572Bs, I was somewhat surprised at all the
> room in
> > there. If the power supply wasn't so wimpy, I could easily install
> 4 ea
> > 4CX250Bs in there with plenty of room left over.
> >
> > Ken W7EKB
>
>

1342. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-26 04:39:50 UTC
From: Kenneth G. Gordon
Topic: 1326 Message: 1342

On 25 Jul 2012 at 21:18, mac wrote:

> This seems to be getting awfully involved. Sure there isn't a decent pair of 572Bs kicking around
> out there somewhere, NOS Centrons for ex......? :^)

Boy, Dennis, don't I wish!

First of all, after doing some work with various 572Bs with a view to attempting to reactivate
them, using methods I have successfully used in the past, I very soon discovered that the Chinese-made versions absolutely WILL NOT reactivate using any normal means.

However, a couple of old Cetrons I had here DID reactivate, and, in fact, I am using those in
my OTHER SB-200 right now. They are working quite well, the pair providing me with about 500 watts output with about 10 mA grid drive each (20 mA for the pair) and about 400 mA Ip for the pair, or about 800 watts input.

Lately, I have been haunting eBay for Cetrons or NU or any other 572B OTHER THAN Chinese-made ones, but so far have had not much luck.

In short, the old American-made 572Bs have far more robust filaments with ample reserve capability, whereas the Chinese-made jobs have essentially NO reserve capability. Not only that, but their PD is actually only about 125 watts, instead of 160 watts, and many of their
other characteristics are different too.

I suspect, but don't know, that the Chinese-made "572Bs" filaments have very low thorium content, or they have not been made properly otherwise.

In any case, since 1) finding NOS or even reactivate-able Cetrons (or others) is difficult, and
2) the Chinese-made versions are so unreliable, I have decided to modify at least one of my SB-200s to a pair of 4CX250Bs.

See you later.

Ken W7EKB

1343. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-26 04:42:35 UTC
From: Kenneth G. Gordon
Topic: 1326 Message: 1343

What I would like to find are as many old, even half dead, Cetrons or NU or Sylvania (if they
made any) or other American-made 572Bs as I can.

I can reactivate those.

Ken W7EKB

1344. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-26 14:19:02 UTC
From: Carl
Topic: 1326 Message: 1344

----- Original Message -----
From: Kenneth G. Gordon
To: mac ; Glowbugradio@yahoogroups.com
Sent: Thursday, July 26, 2012 12:39 AM
Subject: Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

On 25 Jul 2012 at 21:18, mac wrote:

> This seems to be getting awfully involved. Sure there isn't a decent pair
> of 572Bs kicking around
> out there somewhere, NOS Centrons for ex......? :^)

Boy, Dennis, don't I wish!

First of all, after doing some work with various 572Bs with a view to attempting to reactivate
them, using methods I have successfully used in the past, I very soon discovered that the
Chinese-made versions absolutely WILL NOT reactivate using any normal means.

However, a couple of old Cetrons I had here DID reactivate, and, in fact, I am using those in
my OTHER SB-200 right now. They are working quite well, the pair providing me with about
500 watts output with about 10 mA grid drive each (20 mA for the pair) and about 400 mA Ip
for the pair, or about 800 watts input.

Lately, I have been haunting eBay for Cetrons or NU or any other 572B OTHER THAN
Chinese-made ones, but so far have had not much luck.

In short, the old American-made 572Bs have far more robust filaments with ample reserve
capability, whereas the Chinese-made jobs have essentially NO reserve capability. Not only
that, but their PD is actually only about 125 watts, instead of 160 watts, and many of their
other characteristics are different too.

I suspect, but don't know, that the Chinese-made "572Bs" filaments have very low thorium
content, or they have not been made properly otherwise.

In any case, since 1) finding NOS or even reactivate-able Cetrons (or others) is difficult, and
2) the Chinese-made versions are so unreliable, I have decided to modify at

least one of my
SB-200s to a pair of 4CX250Bs.

See you later.

Ken W7EKB

There were 2 US 572B manufacturers, Cetron and UE. Cetron had the stepped shoulder bulb and UE the rounded top. There are several other names on the tubes; GE, Raytheon, NU were all private labeling as well as companies such as Waters, Dentron, Hunter, and others having their name on them. UE also supplied Cetron when they couldnt keep up with demand. Most of the time there is a RMA code on the base to ID the manufacturer but there was also a little truth evasion going on...

The 4CX250 conversion will at least keep you out of trouble for awhile and also provide an endless supply of spares.

Carl
KM1H

1345. A shot in the dark: Hallicrafters S-30

Yahoo group: glowbugradio
Date: 2012-07-27 18:02:18 UTC
From: John Ruccolo
Topic: 1326 Message: 1345

Hi Glowbug folks,

Recently at the great Sussex, NJ hamfest I picked up the chassis and front panel for an unusual Hallicrafters S-30 Radio Compass. Does anybody have the cabinet and loop antenna, or a junker unit that they would like to sell?

73,

John, KC2UAK

1346. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-28 16:03:48 UTC
From: Carl
Topic: 1326 Message: 1346

BTW, the LK-800 fan is an EBM-Papst 4600X.

I got the best price from Gopher Electronics
http://www.sourceesb.com/Distributors/ebm-papst.asp

Here is the latest list and specs
http://octopart.com/4600x-ebm-papst-246

At full speed it is serious overkill for a pair of 4CX250's so a series resistor will quiet it right down. Amp Supply used a 2 speed switch on the front panel at first and later mounted a temperature sensor inside one of the exhaust stacks to switch speeds with a relay.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: mac ; Glowbugradio@yahoogroups.com
Sent: Thursday, July 26, 2012 12:39 AM
Subject: Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

On 25 Jul 2012 at 21:18, mac wrote:

> This seems to be getting awfully involved. Sure there isn't a decent pair
> of 572Bs kicking around
> out there somewhere, NOS Centrons for ex......? :^)

Boy, Dennis, don't I wish!

First of all, after doing some work with various 572Bs with a view to attempting to reactivate
them, using methods I have successfully used in the past, I very soon discovered that the
Chinese-made versions absolutely WILL NOT reactivate using any normal means.

However, a couple of old Cetrons I had here DID reactivate, and, in fact, I am using those in
my OTHER SB-200 right now. They are working quite well, the pair providing me with about
500 watts output with about 10 mA grid drive each (20 mA for the pair) and about 400 mA Ip
for the pair, or about 800 watts input.

Lately, I have been haunting eBay for Cetrons or NU or any other 572B OTHER THAN
Chinese-made ones, but so far have had not much luck.

In short, the old American-made 572Bs have far more robust filaments with ample reserve
capability, whereas the Chinese-made jobs have essentially NO reserve capability. Not only
that, but their PD is actually only about 125 watts, instead of 160 watts, and many of their
other characteristics are different too.

I suspect, but don't know, that the Chinese-made "572Bs" filaments have very low thorium
content, or they have not been made properly otherwise.

In any case, since 1) finding NOS or even reactivate-able Cetrons (or others) is difficult, and
2) the Chinese-made versions are so unreliable, I have decided to modify at least one of my
SB-200s to a pair of 4CX250Bs.

See you later.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5155 - Release Date: 07/25/12

1347. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-28 17:26:17 UTC
From: Kenneth G. Gordon
Topic: 1326 Message: 1347

On 28 Jul 2012 at 12:03, Carl wrote:

> BTW, the LK-800 fan is an EBM-Papst 4600X.
>
> I got the best price from Gopher Electronics
> http://www.sourceesb.com/Distributors/ebm-papst.asp
>
> Here is the latest list and specs
> http://octopart.com/4600x-ebm-papst-246
>
> At full speed it is serious overkill for a pair of 4CX250's so a
> series resistor will quiet it right down. Amp Supply used a 2 speed
> switch on the front panel at first and later mounted a temperature
> sensor inside one of the exhaust stacks to switch speeds with a relay.

Hmmm...well, the "5 inch" version I have here LOOKS almost identical and it is exactly the same size as that EBM model.

Since the one I have is "free" I'll use it until it craps out, then will switch to the EBM one.

I am not sure how to measure "inches of water" with my U-tube. I assume I simply place the end of the inlet to the U-tube anywhere on the top of the tube where the air is flowing through and measure the difference in water levels.

If I used a conical seal to cover the entire top of the tube to feed ALL of the air-flow to the U-tube, it blows all the water out of the U-tube.

Ken W7EKB

1348. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-29 00:22:35 UTC
From: Carl
Topic: 1326 Message: 1348

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Saturday, July 28, 2012 1:26 PM
Subject: Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

On 28 Jul 2012 at 12:03, Carl wrote:

> BTW, the LK-800 fan is an EBM-Papst 4600X.
>
> I got the best price from Gopher Electronics
> http://www.sourceesb.com/Distributors/ebm-papst.asp
>
> Here is the latest list and specs
> http://octopart.com/4600x-ebm-papst-246
>
> At full speed it is serious overkill for a pair of 4CX250's so a
> series resistor will quiet it right down. Amp Supply used a 2 speed
> switch on the front panel at first and later mounted a temperature
> sensor inside one of the exhaust stacks to switch speeds with a relay.

Hmmm...well, the "5 inch" version I have here LOOKS almost identical and it
is exactly the same size as that EBM model.

** In this case its not size that matters Ken.....

Since the one I have is "free" I'll use it until it craps out, then will
switch to the
EBM one.

** "You feeling lucky punk?"

I am not sure how to measure "inches of water" with my U-tube. I assume I
simply place the end of the inlet to the U-tube anywhere on the top of the
tube where the air is flowing through and measure the difference in water
levels.

If I used a conical seal to cover the entire top of the tube to feed ALL of
the
air-flow to the U-tube, it blows all the water out of the U-tube.

** I havent used one of those things since high school. I trust the "feel
the air test" with small tubes. I had a scrapped old USN TX that had a 4X150
driving a pair on UHF. The blower for the single tube was more than
sufficient for my HB 3CX1000A7 at 1500W+ on 2M and its been fine for the
past 28 or so years.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5160 - Release Date: 07/28/12

1349. Re: [glowbugradio] Conversion of SB-200 to 2 X 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-07-29 00:32:07 UTC
From: Kenneth G. Gordon
Topic: 1326 Message: 1349

On 28 Jul 2012 at 20:22, Carl wrote:

> Hmmm...well, the "5 inch" version I have here LOOKS almost identical and it
> is exactly the same size as that EBM model.
>
> ** In this case its not size that matters Ken.....

I didn't think so.....

> Since the one I have is "free" I'll use it until it craps out, then will
> switch to the
> EBM one.
>
> ** "You feeling lucky punk?"

Not THAT lucky....I bought an EBM...

I have also ordered a 1.5" tall by 5" by 8" chassis. I'll have a local metal shop modify it for 5 X
5.

Ken

1350. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-29 00:55:51 UTC
From: Carl
Topic: 1330 Message: 1350

I forgot the best part, the data sheet that shows its performance under backpressure.
http://www.mouser.com/catalog/specsheets/4600X.pdf

1351. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-29 03:41:52 UTC
From: Kenneth G. Gordon
Topic: 1330 Message: 1351

On 28 Jul 2012 at 20:55, Carl wrote:

> I forgot the best part, the data sheet that shows its performance
> under backpressure. http://www.mouser.com/catalog/specsheets/4600X.pdf

35 CFM through ONE 4CX250B at 250 watts PD. Gee. Pretty impressive.

BTW, the steel-framed fan I already have has exactly the same dimensions
as the EBM model, but has one more blade: 6 vs 5 for the EBM model.

I sure wish that chassis would get here sooner...

Ken W7EKB

1352. Re: [glowbugradio] SB-200 and 2 X 4CX250B

Yahoo group: glowbugradio
Date: 2012-07-29 13:19:42 UTC
From: Carl
Topic: 1330 Message: 1352

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Saturday, July 28, 2012 11:41 PM
Subject: Re: [glowbugradio] SB-200 and 2 X 4CX250B

On 28 Jul 2012 at 20:55, Carl wrote:

> I forgot the best part, the data sheet that shows its performance
> under backpressure. http://www.mouser.com/catalog/specsheets/4600X.pdf

35 CFM through ONE 4CX250B at 250 watts PD. Gee. Pretty impressive.

** Worse case using the SK-600 is 3.6 cfm per tube at .3"
With a good socket its 3.6 cfm at .1"

BTW, the steel-framed fan I already have has exactly the same dimensions
as the EBM model, but has one more blade: 6 vs 5 for the EBM model.

** Exernal dimensions are a standard so interchange replacements can be used
in industry.

I sure wish that chassis would get here sooner...

** Clean out the garage while youre waiting, its almost winter.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5162 - Release Date: 07/29/12

1353. 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-08-06 02:49:57 UTC
From: Kenneth G. Gordon
Topic: 1353 Message: 1353

Well...I just bought 6 ea what appear to be NIB 4CX250Bs for $15.00 each. I think I have enough spares for a while now...

I have been keeping my eyes peeled for U.S. made 572Bs with a view to reactivating some if I can get them.

So far, not much luck in that regard....

Ken W7EKB

1354. Old U.S. made 572Bs

Yahoo group: glowbugradio
Date: 2012-08-06 02:52:12 UTC
From: Kenneth G. Gordon
Topic: 1354 Message: 1354

Might anyone have any old semi-flat, or flat, U.S. made 572Bs (Cetron, Dentron, etc.) with good filaments they might part with for a reasonable sum?

No Chinese-made jobs, please.

Ken W7EKB

1355. Re: [glowbugradio] 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-08-06 14:19:57 UTC
From: Carl
Topic: 1353 Message: 1355

Thats a darn good price for those if truly NOS.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Sunday, August 05, 2012 10:49 PM
Subject: [glowbugradio] 4CX250Bs

Well...I just bought 6 ea what appear to be NIB 4CX250Bs for $15.00 each. I think I have enough spares for a while now...

I have been keeping my eyes peeled for U.S. made 572Bs with a view to reactivating some if I can get them.

So far, not much luck in that regard....

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5181 - Release Date: 08/06/12

1356. Re: Old U.S. made 572Bs

Yahoo group: glowbugradio
Date: 2012-08-06 14:49:32 UTC
From: Kenneth G. Gordon
Topic: 1354 Message: 1356

On 6 Aug 2012 at 8:54, Paul Kraemer wrote:

> Ken
> May I ask what method you use to reactivate the old tubes
> Paul K0UYA

Sure! It is a very old method. I found it many years ago in an old Marine Radio Handbook. I have since found the same method, and some variations thereof, in other publications.

This method only works with thoriated-tungsten filamented tubes, but every time I have used it, it worked.

However, it does NOT work with modern Chinese-made tubes! I suspect their filaments are not properly made.

Here goes:

Apply 2.5 times normal filament voltage for one minute.

Reduce filament voltage to 1.5 times normal filament voltage, and hold for one hour.

Test. If the tube is not up to normal emission, repeat.

Re-test. If the tube is still not up to normal emission, discard.

I first used this method when I was given a dozen 304TLs which had been used in a Chemistry department nuclear magnetic resonance machine, where they had been used as shunt regulators. They were so flat they wouldn't draw more than a mA or two with full plate
voltage and no bias. There were large dark brown rings all around the base of each tube.

After using this method on them, they all, without exception worked as a new tube. I gave several to friends who were still using them in amplifiers a few years later.

We used a pair of them in some amps we were using for AFMARS phone patching and never had one go bad.

I recently used this method to reactivate two Cetron 572Bs I had here that were also pretty flat. I am using that pair of them right now in my OTHER SB-200. They output up to 700 watts
with minimal grid drive.

Unfortunately, those are the only "good" 572Bs I have.

What is supposed to take place is that by heating the filaments up so hot, the thorium that is
embedded "deep" in the filament wire "boils" to the surface of the filament wire, and is throughly sealed there by the one hour cooking at 1.5 times normal voltage.

Although I don't know for sure if this is actually what happens, the method does work.

Ken W7EKB

1357. Re: [glowbugradio] 4CX250Bs

Yahoo group: glowbugradio
Date: 2012-08-06 14:50:26 UTC
From: Kenneth G. Gordon
Topic: 1353 Message: 1357

On 6 Aug 2012 at 10:19, Carl wrote:

>
>
> Thats a darn good price for those if truly NOS.

I'll know when I get them. They looked very good to me.

Ken

1358. Chassis material

Yahoo group: glowbugradio
Date: 2012-08-06 18:20:22 UTC
From: Kenneth G. Gordon
Topic: 1358 Message: 1358

Is there any problem with using galvanized sheet-metal for my small chassis, when it will be bolted to an aluminum chassis?

A local sheet-metal shop can make a chassis to my required dimensions, but doesn't have any aluminum. He has galvanized sheet-metal in various thicknesses...

Ken W7EKB

1359. Re: [glowbugradio] Chassis material

Yahoo group: glowbugradio
Date: 2012-08-06 18:41:46 UTC
From: Jim
Topic: 1358 Message: 1359

If you passivate the Al (e.g., anodize it), it should be fine. Also, if you paint either one, same thing. But if the EG chassis needs to be grounded to the Al, you'll need something like stainless steel thru-bolts with tooth washers to punch through the EG and the Al passivation, and/or the paint.

Unless you're in a poorly climate-controlled atmosphere, especially salt air, this probably would not be a problem for a while. But now's the time to avoid it. Or just build it and not worry about it.

I guess you could also use Scotchbrite pads to polish the mating surfaces and apply a conductive anti-sieze like NoAlox or ButterSnot, but personally I don't like putting goo like that inside a chassis.

As an alternative, find some aluminum sheet that he can use. In the past, I've found cheap aluminum cookie sheets that worked. Also, fan blades from discarded AC compressors.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: Glowbugradio@yahoogroups.com
>Sent: Monday, August 6, 2012 1:20 PM
>Subject: [glowbugradio] Chassis material
>
>Is there any problem with using galvanized sheet-metal for my small chassis,
>when it will be bolted to an aluminum chassis?
>
>A local sheet-metal shop can make a chassis to my required dimensions, but
>doesn't have any aluminum. He has galvanized sheet-metal in various
>thicknesses...
>
>Ken W7EKB
>

1360. Re: [glowbugradio] Chassis material

Yahoo group: glowbugradio
Date: 2012-08-06 18:44:34 UTC
From: Kenneth G. Gordon
Topic: 1358 Message: 1360

On 6 Aug 2012 at 18:26, oldradio@... wrote:

> Scrape or sand off the galvanize where you solder your grounds, and
> bolt grounds, directly to the steel.
>
> 73, John Dilks, K2TQN

Thanks, Gents! :-)

Ken W7EKB

1361. Re: [glowbugradio] Chassis material

Yahoo group: glowbugradio
Date: 2012-08-06 19:17:20 UTC
From: Carl
Topic: 1358 Message: 1361

Nope, unless its going to be subjected to years of salt air. The use of Penetrox or similar is a good idea anyway; Ive used that for telescoping aluminum elements since the 60's.

The boom to mast plates as well as the U bolts and clamps for several of my big HF 20M monobanders were galvanized steel. After almost 20 years in the air they looked fine when I downsized the aluminum farm.

The original PP 250TH AM amp I bought maybe 20 years ago, restored and used for another 10, was on 3 home made galvanized chassis for RF, modulator and PS. It was built in the 40's and used to the late 60's.....no rust anywhere.

Galvy is also easy to solder to; many consumer radios, BCB and SW, were built using that type of chassis. Grounds were soldered right to the chassis.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Monday, August 06, 2012 2:20 PM
Subject: [glowbugradio] Chassis material

Is there any problem with using galvanized sheet-metal for my small chassis, when it will be bolted to an aluminum chassis?

A local sheet-metal shop can make a chassis to my required dimensions, but doesn't have any aluminum. He has galvanized sheet-metal in various thicknesses...

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5181 - Release Date: 08/06/12

1362. Re: [glowbugradio] Chassis material

Yahoo group: glowbugradio
Date: 2012-08-06 19:19:55 UTC
From: Carl
Topic: 1358 Message: 1362

Since anodize is an excellent insulator I wouldnt use it anywhere around any radio application. Too easy to have problems trying to get and maintain grounds.

Carl

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Monday, August 06, 2012 2:41 PM
Subject: Re: [glowbugradio] Chassis material

If you passivate the Al (e.g., anodize it), it should be fine. Also, if you paint either one, same thing. But if the EG chassis needs to be grounded to the Al, you'll need something like stainless steel thru-bolts with tooth washers to punch through the EG and the Al passivation, and/or the paint.

Unless you're in a poorly climate-controlled atmosphere, especially salt air, this probably would not be a problem for a while. But now's the time to avoid it. Or just build it and not worry about it.

I guess you could also use Scotchbrite pads to polish the mating surfaces and apply a conductive anti-sieze like NoAlox or ButterSnot, but personally I don't like putting goo like that inside a chassis.

As an alternative, find some aluminum sheet that he can use. In the past, I've found cheap aluminum cookie sheets that worked. Also, fan blades from discarded AC compressors.

73
Jim N6OTQ

From: Kenneth G. Gordon <kgordon2006@...>
To: Glowbugradio@yahoogroups.com
Sent: Monday, August 6, 2012 1:20 PM
Subject: [glowbugradio] Chassis material

Is there any problem with using galvanized sheet-metal for my small chassis, when it will be bolted to an aluminum chassis?

A local sheet-metal shop can make a chassis to my required dimensions, but doesn't have any aluminum. He has galvanized sheet-metal in various thicknesses...

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5181 - Release Date: 08/06/12

1363. Re: [glowbugradio] Chassis material

Yahoo group: glowbugradio
Date: 2012-08-06 23:05:04 UTC
From: Kenneth G. Gordon
Topic: 1358 Message: 1363

On 6 Aug 2012 at 13:36, Robert Nickels wrote:

> Ken, I use it all the time. It's easy to cut and bends can be made
> sharp and clean - plus it takes solder wonderfully. I especially like
> it for things that need to be shielded, as it's easy to make RF-tight
> seals and removable lids. Punches work well, but a "step drill" is
> the only way to make larger holes, as twist drills tend to catch the
> metal. Recently got a sheet of thin stuff about 2'x3' for something
> like six bucks from the home improvement store, enough for lots of projects.

OK. Bob. Good to know! Thanks.,

> Why bolt to aluminum?

Because this is going to be a "sub-chassis" addition which will be bolted to top of a larger
one.

Ken W7EKB

1364. Re: Chassis material

Yahoo group: glowbugradio
Date: 2012-08-06 23:10:12 UTC
From: Kenneth G. Gordon
Topic: 1358 Message: 1364

Thanks for the input, Guys. I am visiting the sheet metal shop tomorrow morning, and will let
you all know what I find out.

I really appreciate your help.

vy73,

Ken W7EKB

1365. Fan arrived today

Yahoo group: glowbugradio
Date: 2012-08-08 22:37:04 UTC
From: Kenneth G. Gordon
Topic: 1365 Message: 1365

The EBM-PAPST fan for my SB-200 mod arrived today.

The motor hub is less than 1/2 the diameter of my old Cyclohm fan which is the same outside dimensions.

The new fan should move a lot more air.

I'll test it later.

I also went to a local heating and airconditioning shop. One of the metal-workers there will
make me two boxes to mount my 4CX250Bs in.

I also ordered off of eBay a piece of 5052 aluminum sheet, 063 inches thick. It will arrive next
week.

Ken

1366. Re: [glowbugradio] Fan arrived today

Yahoo group: glowbugradio
Date: 2012-08-09 00:50:49 UTC
From: Carl
Topic: 1365 Message: 1366

Glad to see your feeling better and sound like your old self.

Keep at it!

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, August 08, 2012 6:37 PM
Subject: [glowbugradio] Fan arrived today

The EBM-PAPST fan for my SB-200 mod arrived today.

The motor hub is less than 1/2 the diameter of my old Cyclohm fan which is the same outside dimensions.

The new fan should move a lot more air.

I'll test it later.

I also went to a local heating and airconditioning shop. One of the metal-workers there will
make me two boxes to mount my 4CX250Bs in.

I also ordered off of eBay a piece of 5052 aluminum sheet, 063 inches thick. It will arrive next
week.

Ken

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5187 - Release Date: 08/08/12

1367. An interesting view of modern tube manufacturing

Yahoo group: glowbugradio
Date: 2012-08-09 14:08:22 UTC
From: geoff8122
Topic: 1367 Message: 1367

Jim Cross is one of the larger tube merchants but he does know the subject well.

Carl

I have given this talk to customers so many times, I have it memorized. So, here is my take on NOS versus new manufacture......

When I talk about such things, I usually use the 12AX7 as an example, since it is a common, well known type with several well known variants (long plate, short plate, pinched plate, black plate , gray plate, etc.) that are all electrically equivalent.

There are three factors that determine the way a tube performs: Geometry, Materials, and Processing.

Geometry is just like it sounds. That is, the configuration of the tube's elements. In the world of 12AX7s, Tungsram made a copy of the respected Telefunken smooth plate 12AX7, but it does not perform like a Telefunken. Geometry is the easiest thing for a modern maker to copy, but geometry alone does not make a tube perform the way it does.

Materials include things like plate alloys, grid alloys, and cathode coatings. Along with those choices is the thickness of the coatings or the gages of the metal parts and wires. Another aspect of "materials" is the purity or quality. For example, in the old days, makers used 99.9999% ("Four 9's") nickel for some tube plates. I do not know exactly how the modern tubes vary in materials, but the easiest demonstration that they are not made out of the same stuff is simply to look at the shiny pins of the modern Russian and Chinese miniature tubes. I do not know what material they are made from, but I do know it is not the same nickel/iron of old stock tubes. A place where this most makes a difference in performance is the selection of grid alloys, which need to be small enough in diameter not to impede electron flow, stiff enough not to sag or "ring", and also non-emissive.

Processing or treatment includes how the parts are washed and degassed before assembly, how long or to what level of vacuum the tubes are pumped, and whether the tubes are aged before sale. I have two negative stories about processing... ONe, from Eric Barbour is about Svetlana. Svetlana would get complaints about EL34s because Svetlana would shorten the needed pumping time to get a greater throughput of tubes. If the tubes did not get a hard vacuum, they could experience screen "runaway". Another story is about a British film crew who went on a tour of Shuguang several years ago and noted they were using tap water to wash tube parts. Tap water has dissolved solids that will leave leakage paths when it dries. Apparently, Shuguang has since

changed to distilled water....

So, the modern tubes simply are not the equal of old stock. I suspect it is possible for a modern maker to make a tube to be "better" than an old stock tube, but it would cost money. Since the public pretty much buys all they can make already, there is not much incentive to improve..

Anyway, that's my take.

Jim Cross

1368. Re: [glowbugradio] Fan arrived today

Yahoo group: glowbugradio
Date: 2012-08-09 16:38:13 UTC
From: Kenneth G. Gordon
Topic: 1365 Message: 1368

On 8 Aug 2012 at 20:50, Carl wrote:

> Glad to see your feeling better and sound like your old self.

It has taken a long time, but, yes, thank God, I am finally getting over what ever it was that I had. At this point, I am almost certain I had pneumonia, although it was never diagnosed.

>
> Keep at it!

Yassuh, Boss. I'se being good! :-)

Thanks.

Ken

1369. SB-200/4CX250B project continuing...

Yahoo group: glowbugradio
Date: 2012-08-09 20:33:24 UTC
From: Kenneth G. Gordon
Topic: 1369 Message: 1369

Well!

The heating and air-conditioning shop I hired to make me two boxes to mount my 4CX250Bs in, presented them to me exactly 20 hours after I talked with the maker and gave him my drawings!

To say I was amazed at both the speed and the quality would be an understatement.

BOTH boxes cost me a total of $27.50, both in time and materials.

Dimensions and placement of holes is exactly as I requested, all corners are very tight, bends are clean and straight, corners are spot-welded, and the things look completely air-tight already even without any bathtub cault in the corners.

The remainder of this week, I'll get out my nibbling-tool and finish installing the sockets.

Gee....I am amazed! :-)

vy 73,

Ken W7EKB

1370. Re: [glowbugradio] SB-200/4CX250B project continuing...

Yahoo group: glowbugradio
Date: 2012-08-09 20:48:34 UTC
From: Carl
Topic: 1369 Message: 1370

This man is on a roll!

Go boy

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, August 09, 2012 4:33 PM
Subject: [glowbugradio] SB-200/4CX250B project continuing...

Well!

The heating and air-conditioning shop I hired to make me two boxes to mount my 4CX250Bs in, presented them to me exactly 20 hours after I talked with the maker and gave him my drawings!

To say I was amazed at both the speed and the quality would be an understatement.

BOTH boxes cost me a total of $27.50, both in time and materials.

Dimensions and placement of holes is exactly as I requested, all corners are very tight, bends are clean and straight, corners are spot-welded, and the things look completely air-tight already even without any bathtub cault in the corners.

The remainder of this week, I'll get out my nibbling-tool and finish installing the sockets.

Gee....I am amazed! :-)

vy 73,

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5189 - Release Date: 08/09/12

1371. Re: [glowbugradio] Old U.S. made 572Bs

Yahoo group: glowbugradio
Date: 2012-08-16 22:44:45 UTC
From: Rod Hogg
Topic: 1354 Message: 1371

Ken,
You get many responses to your request?

I do not have any Cetron 572s but do have a couple of Svetlana, Russian, 572Bs. Can they be "restored"? I'd like to keep them if would work. I replaced them witih a matched pair of Taylors for a customer a while back. Not sure if are bad or not, he just wanted new tubes put in..

Been saving them. I don't currently have an amp that uses them hooked up, do have a Yaesu FL2100B, but needs some work to get it going to test them.

How much you charge me to 'restore' these if possible?

73
Rod
KØEQH

--- On Sun, 8/5/12, Kenneth G. Gordon <kgordon2006@...m> wrote:

From: Kenneth G. Gordon <kgordon2006@...>
Subject: [glowbugradio] Old U.S. made 572Bs
To: Glowbugradio@yahoogroups.com
Date: Sunday, August 5, 2012, 9:52 PM

Might anyone have any old semi-flat, or flat, U.S. made 572Bs (Cetron, Dentron, etc.) with good filaments they might part with for a reasonable sum?

No Chinese-made jobs, please.

Ken W7EKB

1372. Re: [glowbugradio] Re: Old U.S. made 572Bs

Yahoo group: glowbugradio
Date: 2012-08-16 22:47:44 UTC
From: Rod Hogg
Topic: 1354 Message: 1372

Sorry group. I ment the message on 572s to go to Ken direct, Dumb eMail server directed it to the group.

Rod
KØEQH

1373. An "interesting" discovery...Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 00:54:37 UTC
From: Kenneth G. Gordon
Topic: 1373 Message: 1373

I have been working on reactivating some Cetron 572Bs (9 of them) I have here and made an interesting discovery this afternoon. I really have no explanation for it, and am hoping one
of you here may have some ideas.

Here's the story:

One Cetron 572B I have been working with was obviously very heavily used: it is very dark all
around the top, and for much of the center of the glass.

The getter still looks "decent" however.

I installed this tube all by itself in my SB-200, and with eveything loaded up normally on 40
meters into my 600 watt dummy load, through my tuner, with 1:1 SWR, the maximum power output it would show was 75 watts and no grid current showing, even at 100 watts drive.

I felt I really didn't have anything to lose, so I gave it a second "reactivation".

After re-reactivating it, and re-installing it, I then held the key down to measure power output:
as the tube heated up, power output rose from about 200 watts to beyond 300 watts, but the tube plate started getting very red, fairly quickly. I held the key down until I could no longer
see a rise in power output, then un-keyed the rig and let the tube cool a bit. At that point,
power output was 300 watts plus, and the top half or 2/3 of the tube's plate was very, very red: almost orange in fact. I didn't notice grid current at that point, but it certainly wasn't very
high.

I then shut the rigs off and went to bed.

This afternoon, I thought I would take another look to see what that same tube's maximum power output might be under the identical conditions as yesterday, as I had not written it down, and power output, with that ONE tube, at normal drive level was now 500 watts plus (!!!), and grid current approached, but didn't quite reach 45 mA. The plate stayed dark.

To say I was surprised would be an understatement.

I just installed a second old Cetron, one which showed a maximum power output of 110 watts under the same conditions as the first tube, and after reactivation, it showed close to 200 watts, at first, rising to well over 300 watts output, again with almost no grid drive showing,
and with the plate of the tube getting redder and redder, approaching orange, when the key was held down. Grid current was beginning to show, but was still very low.

I then started smelling something getting hot, and noticed smoke rising from the 40 meter grid coil on the back of the amp, so I unkeyed it. :-)

I had noticed, or rather THOUGHT I had noticed a few days ago ("suspected", might be a better word) that there was a significant change for the better in the way my reactivated Cetron tubes worked if I let them "sit" for a day or so, or even longer, after "operating on
them". None of those tubes I suspected had gotten better over time had ever had the plate get red. What I found today give my suspicions some basis in fact.

But....I cannot figure out WHY these two things happen.

Might anyone have a clue? Even one?

Yesterday, I also went through every one of those dozen Chinese-made tubes I had here. Although I found two that I had missed that were in very good condition and showed pretty decent power output (over 400 watts each) with good grid current, all the rest, 10 of them, were very weak, and all those I had attempted to reactivate were exactly as they were before
the operation, or far worse. I tossed all ten of the bad ones, but kept the two "good" ones.

I also found one Cetron that although its remaining power output was 280 watts, only 1/2 the
filament was working, so I tossed that one too. From this it is apparent that the two parts of
the filaments are in parallel within the tube. I had one Chinese-made tube that was built the
same way, but its power output was about 10 watts.

If, by letting the plates get so red,"re-gettering" the tubes is taking place, then I am going to
have to find a different way to accomplish this, since my SB-200 grid coils are taking a real
beating. Although I have some spares, I really don't much like the job of replacing them.

Ideas? Comments? Please?

Ken W7EKB

1374. Re: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 01:41:11 UTC
From: Jim
Topic: 1373 Message: 1374

The dual pieces of over-volting the filament and heating the plate well past normal operating temps are at least anecdotally known to work remarkable results at restoring emission -- sometimes. And hams have known this since the 1930s. At least that's the earliest I've seen historical evidence of these two techniques being described.

It doesn't always work, and we're seeing a lot of reports that the newer Chinese 572Bs WON'T respond to either of these. But if you are willing to take a chance on old weak AMERICAN-MADE 572Bs, the anecdotal experience is that more often than not you'll be rewarded with very positive results like these.

I'd say it's always worth a shot, to the point that if you handle a lot of a given transmitting tubes of a given type -- as people like Carl have been known to do -- it may be worthwhile to build up tube-specific burn-in jigs for this purpose, as Carl has also been known to do.

Plus, it's always fun to try to blow stuff up :)

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: Carl <km1h@...>
>Cc: Glowbugradio@yahoogroups.com; Heath@...
>Sent: Sunday, August 19, 2012 7:54 PM
>Subject: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.
>
>I have been working on reactivating some Cetron 572Bs (9 of them) I have here and made
>an interesting discovery this afternoon. I really have no explanation for it, and am
hoping one
>of you here may have some ideas.
>
>

1375. Re: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 02:07:12 UTC
From: N2EY@aol.com
Topic: 1373 Message: 1375

In a message dated 8/19/2012 9:41:17 P.M. Eastern Daylight Time,
n6otq@... writes:

>The dual pieces of over-volting the filament and heating the >plate well
past normal operating temps are at least >anecdotally known to work
remarkable results at restoring >emission -- sometimes. And hams have known this
since >the 1930s. At least that's the earliest I've seen historical
>evidence of these two techniques being described.

Running the filament at higher-than-normal voltage for a time only works
with thoriated-tungsten filaments. Fortunately, many popular amateur
transmitting tubes have them. The process is known as "rejuvenation" and is
described in the ARRL Handbook.

The way I saw it, what the process does is to cause a new layer of thorium
to be moved from inside the filament to the surface. (The thorium layer
greatly increases electron emission). It works until the thorium in the
filament is completely depleted.

73 de Jim, N2EY

1376. Re: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 02:14:10 UTC
From: Kenneth G. Gordon
Topic: 1373 Message: 1376

On 19 Aug 2012 at 18:41, Jim wrote:

> The dual pieces of over-volting the filament and heating the plate well past
> normal operating temps are at least anecdotally known to work remarkable
> results at restoring emission -- sometimes. And hams have known this since the
> 1930s. At least that's the earliest I've seen historical evidence of these two
> techniques being described.

Jim: I knew about "over-volting" the filaments, as I have used that technique since at least
1960. I first read of this procedure in an old Marine Radio Handbook, and have since found other references to that procedure in other literature, most notably, on the AWA site. However, I have never heard of heating up the plate before this.

In any case, it sure worked for one old Cetron, and tomorrow, I am going to check the second
one.

What I DON'T understand is why does letting it cool off to cold and setting it aside for some
time REALLY get it "going" ?

> It doesn't always work, and we're seeing a lot of reports that the newer Chinese
> 572Bs WON'T respond to either of these.

Yes. I found that out quite early on, and reported my experiences with that here.

> But if you are willing to take a chance
> on old weak AMERICAN-MADE 572Bs,

Well, as far as I am concerned, we don't really have much choice these days...

> the anecdotal experience is that more
> often than not you'll be rewarded with very positive results like these.
>
> I'd say it's always worth a shot, to the point that if you handle a lot of a given
> transmitting tubes of a given type -- as people like Carl have been known to do --
> it may be worthwhile to build up tube-specific burn-in jigs for this purpose, as
> Carl has also been known to do.

Well, I am hoping he will come back with some more information.

At THIS point, it looks like, for the Cetron 572Bs, BOTH procedures are required to reach those very positive results. I did not have to do the "red plate" thing with the 304TLs I reactivated, but those operate normally with red to orange plates anyway. Perhaps that second part of the procedure is "automatic" with those types of thin-tantalum-anode tubes,

but for those tubes with thick carbon-anodes, the second part must be done too.

I don't know this to be absolutely true yet, but, so far, it certainly appears to be the case.

> Plus, it's always fun to try to blow stuff up :)

Hee hee! Boy! It sure is! :-)

If all it takes to make the plates heat up is steady plate current, perhaps I could use a jig, with
a steady 6.3 V filament supply, a HV DC supply for the plate, and some sort of low positive voltage for the grid. I'd have to meter all those voltages though to make certain grid current
doesn't rise above about 50 mA.

I think I'll try that...

vy 73,

Ken W7EKB

1377. Re: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 02:31:59 UTC
From: Paul Kraemer
Topic: 1373 Message: 1377

Interesting story Ken
The "big boys at the bicycle rack" have commented time and again that cooking the filaments is not enough, you have to make the plate glow red. Punish them. Doesn't need much voltage on the plate if you hook the grid to the plate as I have seen in some suggestions for other power tubes.
Don't know this from anything I have done, just what I have read
Paul
----- Original Message -----
From: Kenneth G. Gordon
To: Carl
Cc: Glowbugradio@yahoogroups.com ; Heath@...
Sent: Sunday, August 19, 2012 7:54 PM
Subject: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

I have been working on reactivating some Cetron 572Bs (9 of them) I have here and made an interesting discovery this afternoon. I really have no explanation for it, and am hoping one
of you here may have some ideas.

Here's the story:

One Cetron 572B I have been working with was obviously very heavily used: it is very dark all
around the top, and for much of the center of the glass.

The getter still looks "decent" however.

I installed this tube all by itself in my SB-200, and with eveything loaded up normally on 40
meters into my 600 watt dummy load, through my tuner, with 1:1 SWR, the maximum power output it would show was 75 watts and no grid current showing, even at 100 watts drive.

I felt I really didn't have anything to lose, so I gave it a second "reactivation".

After re-reactivating it, and re-installing it, I then held the key down to measure power output:
as the tube heated up, power output rose from about 200 watts to beyond 300 watts, but the tube plate started getting very red, fairly quickly. I held the key down until I could no longer
see a rise in power output, then un-keyed the rig and let the tube cool a bit. At that point,
power output was 300 watts plus, and the top half or 2/3 of the tube's plate was very, very red: almost orange in fact. I didn't notice grid current at that point, but it certainly wasn't very
high.

I then shut the rigs off and went to bed.

This afternoon, I thought I would take another look to see what that same tube's maximum power output might be under the identical conditions as yesterday, as I had not written it down, and power output, with that ONE tube, at normal drive level was now 500 watts plus (!!!), and grid current approached, but didn't quite reach 45 mA. The plate stayed dark.

To say I was surprised would be an understatement.

I just installed a second old Cetron, one which showed a maximum power output of 110 watts under the same conditions as the first tube, and after reactivation, it showed close to 200 watts, at first, rising to well over 300 watts output, again with almost no grid drive showing,
and with the plate of the tube getting redder and redder, approaching orange, when the key was held down. Grid current was beginning to show, but was still very low.

I then started smelling something getting hot, and noticed smoke rising from the 40 meter grid coil on the back of the amp, so I unkeyed it. :-)

I had noticed, or rather THOUGHT I had noticed a few days ago ("suspected", might be a better word) that there was a significant change for the better in the way my reactivated Cetron tubes worked if I let them "sit" for a day or so, or even longer, after "operating on
them". None of those tubes I suspected had gotten better over time had ever had the plate get red. What I found today give my suspicions some basis in fact.

But....I cannot figure out WHY these two things happen.

Might anyone have a clue? Even one?

Yesterday, I also went through every one of those dozen Chinese-made tubes I had here. Although I found two that I had missed that were in very good condition and showed pretty decent power output (over 400 watts each) with good grid current, all the rest, 10 of them, were very weak, and all those I had attempted to reactivate were exactly as they were before
the operation, or far worse. I tossed all ten of the bad ones, but kept the two "good" ones.

I also found one Cetron that although its remaining power output was 280 watts, only 1/2 the
filament was working, so I tossed that one too. From this it is apparent that the two parts of
the filaments are in parallel within the tube. I had one Chinese-made tube that was built the
same way, but its power output was about 10 watts.

If, by letting the plates get so red,"re-gettering" the tubes is taking place, then I am going to
have to find a different way to accomplish this, since my SB-200 grid coils are taking a real
beating. Although I have some spares, I really don't much like the job of replacing them.

Ideas? Comments? Please?

Ken W7EKB

1378. Re: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 02:37:42 UTC
From: Ed Cartwright
Topic: 1373 Message: 1378

Kenneth posted:

*I then started smelling something getting hot, and noticed smoke rising
from the 40 meter
grid coil on the back of the amp, so I unkeyed it. :-)*
*
*
It is not necessary to operate the tube at high voltage. After you have
done the filament overvoltage rejuvenation make a simple fixture with a
tube socket, variable 50V DC supply (+ to plate and - to fil), and a
filament transformer. Connect the grid and plate together. Let the tube
cook at the nominal 6.3V for about 30 minutes with no plate voltage. Then
run the grid/plate voltage up until you reach the 250ma max rating. This
usually occurs between 42 and 52 V. Continue to rejuvenate, but watch plate
current closely, it will try to climb as the process continues and you will
have to keep reducing the plate voltage. Continue until the plate current
is no longer increasing, but no longer than one hour.

73 Ed N6MMW
**

On Sun, Aug 19, 2012 at 5:54 PM, Kenneth G. Gordon <kgordon2006@frontier.com
> wrote:

> **
>
>
> I have been working on reactivating some Cetron 572Bs (9 of them) I have
> here and made
> an interesting discovery this afternoon. I really have no explanation for
> it, and am hoping one
> of you here may have some ideas.
>
> Here's the story:
>
> One Cetron 572B I have been working with was obviously very heavily used:
> it is very dark all
> around the top, and for much of the center of the glass.
>
> The getter still looks "decent" however.
>
> I installed this tube all by itself in my SB-200, and with eveything
> loaded up normally on 40
> meters into my 600 watt dummy load, through my tuner, with 1:1 SWR, the
> maximum power

> output it would show was 75 watts and no grid current showing, even at 100
> watts drive.
>
> I felt I really didn't have anything to lose, so I gave it a second
> "reactivation".
>
> After re-reactivating it, and re-installing it, I then held the key down
> to measure power output:
> as the tube heated up, power output rose from about 200 watts to beyond
> 300 watts, but the
> tube plate started getting very red, fairly quickly. I held the key down
> until I could no longer
> see a rise in power output, then un-keyed the rig and let the tube cool a
> bit. At that point,
> power output was 300 watts plus, and the top half or 2/3 of the tube's
> plate was very, very
> red: almost orange in fact. I didn't notice grid current at that point,
> but it certainly wasn't very
> high.
>
> I then shut the rigs off and went to bed.
>
> This afternoon, I thought I would take another look to see what that same
> tube's maximum
> power output might be under the identical conditions as yesterday, as I
> had not written it
> down, and power output, with that ONE tube, at normal drive level was now
> 500 watts plus
> (!!!), and grid current approached, but didn't quite reach 45 mA. The
> plate stayed dark.
>
> To say I was surprised would be an understatement.
>
> I just installed a second old Cetron, one which showed a maximum power
> output of 110 watts
> under the same conditions as the first tube, and after reactivation, it
> showed close to 200
> watts, at first, rising to well over 300 watts output, again with almost
> no grid drive showing,
> and with the plate of the tube getting redder and redder, approaching
> orange, when the key
> was held down. Grid current was beginning to show, but was still very low.
>
> I then started smelling something getting hot, and noticed smoke rising
> from the 40 meter
> grid coil on the back of the amp, so I unkeyed it. :-)
>
> I had noticed, or rather THOUGHT I had noticed a few days ago
> ("suspected", might be a
> better word) that there was a significant change for the better in the way

> my reactivated
> Cetron tubes worked if I let them "sit" for a day or so, or even longer,
> after "operating on
> them". None of those tubes I suspected had gotten better over time had
> ever had the plate
> get red. What I found today give my suspicions some basis in fact.
>
> But....I cannot figure out WHY these two things happen.
>
> Might anyone have a clue? Even one?
>
> Yesterday, I also went through every one of those dozen Chinese-made tubes
> I had here.
> Although I found two that I had missed that were in very good condition
> and showed pretty
> decent power output (over 400 watts each) with good grid current, all the
> rest, 10 of them,
> were very weak, and all those I had attempted to reactivate were exactly
> as they were before
> the operation, or far worse. I tossed all ten of the bad ones, but kept
> the two "good" ones.
>
> I also found one Cetron that although its remaining power output was 280
> watts, only 1/2 the
> filament was working, so I tossed that one too. From this it is apparent
> that the two parts of
> the filaments are in parallel within the tube. I had one Chinese-made tube
> that was built the
> same way, but its power output was about 10 watts.
>
> If, by letting the plates get so red,"re-gettering" the tubes is taking
> place, then I am going to
> have to find a different way to accomplish this, since my SB-200 grid
> coils are taking a real
> beating. Although I have some spares, I really don't much like the job of
> replacing them.
>
> Ideas? Comments? Please?
>
> Ken W7EKB
>
>

1379. Re: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 02:55:12 UTC
From: Kenneth G. Gordon
Topic: 1373 Message: 1379

On 19 Aug 2012 at 19:37, Ed Cartwright wrote:

> Kenneth posted:
>
> *I then started smelling something getting hot, and noticed smoke
> rising from the 40 meter grid coil on the back of the amp, so I
> unkeyed it. :-)* * * It is not necessary to operate the tube at high
> voltage. After you have done the filament overvoltage rejuvenation
> make a simple fixture with a tube socket, variable 50V DC supply (+ to
> plate and - to fil), and a filament transformer. Connect the grid and
> plate together. Let the tube cook at the nominal 6.3V for about 30
> minutes with no plate voltage. Then run the grid/plate voltage up
> until you reach the 250ma max rating. This usually occurs between 42
> and 52 V. Continue to rejuvenate, but watch plate current closely, it
> will try to climb as the process continues and you will have to keep
> reducing the plate voltage. Continue until the plate current is no
> longer increasing, but no longer than one hour.

Thank you, Ed. I had wondered about that procedure, but have never tried it...yet.

Ken W7EKB

1380. Re: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 13:52:48 UTC
From: Carl
Topic: 1373 Message: 1380

----- Original Message -----
From: Kenneth G. Gordon
To: Ed Cartwright ; glowbugradio@yahoogroups.com
Sent: Sunday, August 19, 2012 10:55 PM
Subject: Re: [glowbugradio] An "interesting" discovery...Cetron 572Bs and reactivation.

On 19 Aug 2012 at 19:37, Ed Cartwright wrote:

> Kenneth posted:
>
> *I then started smelling something getting hot, and noticed smoke
> rising from the 40 meter grid coil on the back of the amp, so I
> unkeyed it. :-)* * * It is not necessary to operate the tube at high
> voltage. After you have done the filament overvoltage rejuvenation
> make a simple fixture with a tube socket, variable 50V DC supply (+ to
> plate and - to fil), and a filament transformer. Connect the grid and
> plate together. Let the tube cook at the nominal 6.3V for about 30
> minutes with no plate voltage. Then run the grid/plate voltage up
> until you reach the 250ma max rating. This usually occurs between 42
> and 52 V. Continue to rejuvenate, but watch plate current closely, it
> will try to climb as the process continues and you will have to keep
> reducing the plate voltage. Continue until the plate current is no
> longer increasing, but no longer than one hour.

Thank you, Ed. I had wondered about that procedure, but have never tried it...yet.

Ken W7EKB

You have to be careful about getting a graphite anode too hot or it will outgas and poison the tube.

While the LV method has been around since the 20's and mentioned by Don Wallace, W6AM, this was before the gettering material was deposited on the anode. Early tantalum plates also had seperate getters. Another factor is that tying grid to plate could tend to cause excessive grid dissipation with some tubes.

Running the filaments only at higher voltages in order to boil off the contamination has been around as long as the 201A. Voltage level and time vary according to the type of tube and the person doing the test, some filaments are very fragile...Ive blown my share of them

I prefer to rejuvenate/getter around 1000V and use a variable bias to control the anode color while at the same time being able to variac up the HV while maintaining the same color with the bias.

Also remember that just plugging a rejuvenated TX tube into an amp and firing it up may cause fireworks since residual gas that could not sustain an arc at LV is now able to. I always follow up all procedures with a hi-pot test. If that is not possible nor is seperating the filament and B+ voltages and using a variac then use some fault current limiting.

Ive no firm explanation for why the 572B's increase the output as youve stated but a guess would say that the grid structure had also been somewhat contaminated and was now boiling it off. How long those tubes will maintain output is anyones guess but I wouldnt push the grid current very high since the structure is weakened.

Carl
KM1H

1381. RK20 / 804

Yahoo group: glowbugradio
Date: 2012-08-20 17:45:30 UTC
From: ve7sl@shaw.ca
Topic: 1373 Message: 1381

I'm wondering if anyone might have one of these tubes and be willing to sell same? Project ideas have been stirring and this would be the first requirement.

Thanks,

Steve / VE7SL

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

1382. Re: [glowbugradio] Cetron 572Bs and reactivation.

Yahoo group: glowbugradio
Date: 2012-08-20 17:48:56 UTC
From: Kenneth G. Gordon
Topic: 1373 Message: 1382

On 20 Aug 2012 at 9:52, Carl wrote:

> You have to be careful about getting a graphite anode too hot or it will
> outgas and poison the tube.

I suspected that: I had heard or read that somewhere else too.

> While the LV method has been around since the 20's and mentioned by Don
> Wallace, W6AM, this was before the gettering material was deposited on the
> anode. Early tantalum plates also had seperate getters. Another factor is
> that tying grid to plate could tend to cause excessive grid dissipation with
> some tubes.

Yes. I had thought of that too, thanks! :-) Grids are not usually able to dissipate as much energy as plates!

> Running the filaments only at higher voltages in order to boil off the
> contamination has been around as long as the 201A. Voltage level and time
> vary according to the type of tube and the person doing the test, some
> filaments are very fragile...Ive blown my share of them.

So far (keeping my fingers crossed) I have been very lucky in that respect: I have not yet lost
even one.

> I prefer to rejuvenate/getter around 1000V and use a variable bias to
> control the anode color while at the same time being able to variac up the
> HV while maintaining the same color with the bias.

Again, after thinking about this yesterday, I had come to the same conclusion. Thanks for the
"backup". I have the necessary power supplies and parts to rig up such a "jig".

> Also remember that just plugging a rejuvenated TX tube into an amp and
> firing it up may cause fireworks since residual gas that could not sustain
> an arc at LV is now able to. I always follow up all procedures with a hi-pot
> test. If that is not possible nor is seperating the filament and B+ voltages
> and using a variac then use some fault current limiting.

Got it, thanks. I'll do at least some of that. I don't (yet) have a hi-pot tester, but have the parts
and the plans. All I need is time.

> Ive no firm explanation for why the 572B's increase the output as youve
> stated but a guess would say that the grid structure had also been somewhat
> contaminated and was now boiling it off. How long those tubes will maintain
> output is anyones guess but I wouldnt push the grid current very high since
> the structure is weakened.

I agree. I have been using them at as much reduced grid current as I can and still get "reasonable" output: that is about 600 watts on 20, and correspondingly a bit more on 80 and 40, while maintaining about 20 mA grid current per tube. That seems to work very well, and is very reliable.

I would have to go to something like 1200 watts output to get a 3 db increase in signal levels at the receiving end. Although I can easily achieve as much as 750 watts output at higher grid current now, the 100 - 150 watts additional output isn't going to even be noticed at the receiving end, unless band conditions are very unusual.

In my experience, higher power output for skywave comms often doesn't really increase the signal level at the receiver, but it DOES much reduce QSB.

Ken W7EKB

1383. Re: [glowbugradio] RK20 / 804

Yahoo group: glowbugradio
Date: 2012-08-20 17:50:06 UTC
From: Kenneth G. Gordon
Topic: 1373 Message: 1383

On 20 Aug 2012 at 10:45, ve7sl@... wrote:

>
>
> I'm wondering if anyone might have one of these tubes and be willing to sell
> same? Project ideas have been stirring and this would be the first
> requirement.

I have 803s and 805s, but no 804s. I think I'll look those up! :-)

Ken W7EKB

1384. Re: [glowbugradio] RK20 / 804

Yahoo group: glowbugradio
Date: 2012-08-20 17:57:35 UTC
From: ve7sl@shaw.ca
Topic: 1373 Message: 1384

Ken - I think the 803 might be fairly similar but it sure has a hungry filament.

Steve

>> I'm wondering if anyone might have one of these tubes and be willing to
>> sell
>> same? Project ideas have been stirring and this would be the first
>> requirement.
>
> I have 803s and 805s, but no 804s. I think I'll look those up! :-)
>
> Ken W7EKB
>

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

1385. Re: [glowbugradio] RK20 / 804

Yahoo group: glowbugradio
Date: 2012-08-20 23:53:18 UTC
From: mac
Topic: 1373 Message: 1385

Steve,

The 804 has somewhat higher ratings than the RK-20. The 803 with much higher ratings (125W plate diss. vs. 50W for the 804) much easier to find.

Dennis D. W7QHO
Glendale, CA

On Aug 20, 2012, at 10:45 AM, <ve7sl@...> <ve7sl@...> wrote:

> I'm wondering if anyone might have one of these tubes and be willing
> to sell
> same? Project ideas have been stirring and this would be the first
> requirement.
>
> Thanks,
>
> Steve / VE7SL
>
> WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl
>
>

1386. Re: [glowbugradio] RK20 / 804

Yahoo group: glowbugradio
Date: 2012-08-20 23:57:49 UTC
From: ve7sl@shaw.ca
Topic: 1373 Message: 1386

Thank you Dennis. I was under the impression that the RK20 and the 804 were one and the same but I gather not.

Steve

Steve,

The 804 has somewhat higher ratings than the RK-20. The 803 with much higher ratings (125W plate diss. vs. 50W for the 804) much easier to find.

Dennis D. W7QHO
Glendale, CA

On Aug 20, 2012, at 10:45 AM, <ve7sl@...> <ve7sl@...> wrote:

> I'm wondering if anyone might have one of these tubes and be willing
> to sell
> same? Project ideas have been stirring and this would be the first
> requirement.
>
> Thanks,
>
> Steve / VE7SL
>
> WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl
>
>

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

1387. Re: [glowbugradio] RK20 / 804

Yahoo group: glowbugradio
Date: 2012-08-21 01:52:25 UTC
From: mac
Topic: 1373 Message: 1387

Not too far apart, i.e., 40W. plate diss. for the RK-20, 50W for the 804. Max. plate voltage for the 804 - 1500 vs. 1250 for the RK-20. Both pentodes. Data from the 1946 ARRL Handbook. Other sources report 50W diss. for the RK-20A.

DD

****

On Aug 20, 2012, at 4:57 PM, <ve7sl@...> wrote:

> I was under the impression that the RK20 and the 804 were
> one and the same but I gather not.

1388. Re: [glowbugradio] RK20 / 804

Yahoo group: glowbugradio
Date: 2012-08-21 13:43:32 UTC
From: Carl
Topic: 1373 Message: 1388

I just got a NOS RK-10 which is not a widely known tube.

Thats the last step in the latest project as the '10 I had was too weak to drive the 860 to more than half power even after a rejuvenation.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: ve7sl@... ; glowbugradio@yahoogroups.com
Sent: Monday, August 20, 2012 1:50 PM
Subject: Re: [glowbugradio] RK20 / 804

On 20 Aug 2012 at 10:45, ve7sl@... wrote:

>
>
> I'm wondering if anyone might have one of these tubes and be willing to sell
> same? Project ideas have been stirring and this would be the first
> requirement.

I have 803s and 805s, but no 804s. I think I'll look those up! :-)

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5211 - Release Date: 08/20/12

1389. Re: [glowbugradio] RK20 / 804

Yahoo group: glowbugradio
Date: 2012-08-21 14:31:23 UTC
From: Kenneth G. Gordon
Topic: 1373 Message: 1389

On 21 Aug 2012 at 9:43, Carl wrote:

>
>
> I just got a NOS RK-10 which is not a widely known tube.
>
> Thats the last step in the latest project as the '10 I had was too weak to drive the 860 to more than
> half power even after a rejuvenation.

The 860 is one of my favorite tubes for looks. :-)

Ken W7EKB

1390. Mechanical filter use.

Yahoo group: glowbugradio
Date: 2012-08-31 20:41:19 UTC
From: Kenneth G. Gordon
Topic: 1390 Message: 1390

I am thinking about installing one of three mechanical filters I have been given in my HQ-110. I got them with the included matching transformers.

These are Kokusai model 10AZ filters. 6db bandwidth is 2Khz, and 60 db bandwidth is 6 KHz. at 455 KHz.

I don't know that it will help much, but it might increase the skirt selectivity, at least.

I thought I would install it right after the 2nd mixer.

Since the HQ-110 (most probably a first-run model) was given to me, and although it works at least as well as it did when it was first sold, it has several "issues" that make it a candidate for upgrading...which I intend to deal with when I have time.

I found my small stash of the NIB Kokusai filters and their transformers yesterday, opened one up and cleaned the deteriorated foam out of it, used a couple of small pieces of cotton to buffer the coupling coils, and re-installed it in its original case. I'll sweep-test it later.

Trying to decide where to use it, the HQ-110 came to mind.

Comments?

Ken W7EKB

1391. Ballast tube replacement.

Yahoo group: glowbugradio
Date: 2012-08-31 21:38:58 UTC
From: Kenneth G. Gordon
Topic: 1391 Message: 1391

I found a write-up on the excellent RCA-designed replacement for the ballast tube that was used in many of the military receivers some time ago, including the SRR-series, and the R-390A.

This was written by Joe Bartolick and was published on Josh Rovero's excellent site.

I thought that it should be more widely published, so I will include this on the w7ekb.com/Glowbugs site asap and will send a .JPG of this to anyone who wishes to see it.

I'll also try to upload it to the files section of this group.

vy 73,

Ken W7EKB

1392. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2012-08-31 21:48:49 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 1392

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /BallastT.jpg
Uploaded by : w7ekb <kgordon2006@...>
Description : RCA ballast-tube conversion information

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/BallastT.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

w7ekb <kgordon2006@...>

1393. Re: [glowbugradio] Mechanical filter use.

Yahoo group: glowbugradio
Date: 2012-08-31 20:46:03 UTC
From: N2EY@aol.com
Topic: 1390 Message: 1393

Only concern I would have is about the loss. Rx like the 110 might need another stage of IF.

73 de Jim, N2EY

-----Original Message-----
From: Kenneth G. Gordon <kgordon2006@...>
To: Glowbugradio <Glowbugradio@yahoogroups.com>
Sent: Fri, Aug 31, 2012 4:41 pm
Subject: [glowbugradio] Mechanical filter use.

I am thinking about installing one of three mechanical filters I have been given in my HQ-110. I got them with the included matching transformers.

These are Kokusai model 10AZ filters. 6db bandwidth is 2Khz, and 60 db bandwidth is 6 KHz. at 455 KHz.

I don't know that it will help much, but it might increase the skirt selectivity, at least.

I thought I would install it right after the 2nd mixer.

Since the HQ-110 (most probably a first-run model) was given to me, and although it works at least as well as it did when it was first sold, it has several "issues" that make it a candidate for upgrading...which I intend to deal with when I have time.

I found my small stash of the NIB Kokusai filters and their transformers yesterday, opened one up and cleaned the deteriorated foam out of it, used a couple of small pieces of cotton to buffer the coupling coils, and re-installed it in its original case. I'll sweep-test it later.

Trying to decide where to use it, the HQ-110 came to mind.

Comments?

Ken W7EKB

1394. IF filters

Yahoo group: glowbugradio
Date: 2012-09-01 00:06:04 UTC
From: geoff8122
Topic: 1394 Message: 1394

Speaking of IF filters does anone have a circuit board or a complete assembly of the KIWA setup for tube receivers? They no longer list it and Ive used all mine. I can then at least have some made.

Carl
KM1H

1395. Re: [glowbugradio] Mechanical filter use.

Yahoo group: glowbugradio
Date: 2012-09-01 00:22:54 UTC
From: Kenneth G. Gordon
Topic: 1390 Message: 1395

On 31 Aug 2012 at 16:46, N2EY@... wrote:

> Only concern I would have is about the loss. Rx like the 110 might need another stage of IF.

According to the dope-sheet, loss is 3 db.

Of course, the entire dope-sheet is in Japanese...

Ken W7EKB

1396. Re: [glowbugradio] Mechanical filter use.

Yahoo group: glowbugradio
Date: 2012-09-01 00:29:47 UTC
From: Kenneth G. Gordon
Topic: 1390 Message: 1396

On 31 Aug 2012 at 16:46, N2EY@... wrote:

> Only concern I would have is about the loss. Rx like the 110 might need another stage of IF.

Oh. One more thing: the '110 has 3 IF stages: 2 after the 2nd mixer, and the last of which is
used as a so-called "linear detector" (a linear detector is a diode) for CW/SSB, which reduces
the gain on CW/SSB when that product-detector is activated.

I am re-doing all that so that the 3rd IF stage remains a 3rd IF stage for all modes. I also
intend to add a 12AX7 as a product-detector and BFO, the "Hatch" AGC circuit, and various
and sundry other things to turn this sow's ear into a silk purse...as I have time.

The '110 was given to me, so I am experimenting...

Ken W7EKB

1397. Re: Modulation Autoformer Info

Yahoo group: glowbugradio
Date: 2012-09-01 02:09:33 UTC
From: Byron Tatum
Topic: 1397 Message: 1397

Hello-

I found some parts out of an old HF AM aircraft transceiver that had a single 6146 modulating a single 6146. A modulation autoformer appears to be the device used, it looks like a medium sized choke with 3 leads: one to the B+, one to modulator plate and one to RF Final plate. The only markings on it are the # A5806. It appears as a Merit part # but I cannot find any data. I was considering using it in a HB AM transmitter. Does anyone recognize this part #?

Thanks, Byron WA5THJ

1398. Re: [glowbugradio] Re: Modulation Autoformer Info

Yahoo group: glowbugradio
Date: 2012-09-01 03:01:15 UTC
From: Kenneth G. Gordon
Topic: 1397 Message: 1398

On 31 Aug 2012 at 19:09, Byron Tatum wrote:

> I found some parts out of an old HF AM aircraft transceiver that
> had a single 6146 modulating a single 6146.A modulation
> autoformer appears to be the device used, it looks like a medium
> sized choke with 3 leads: one to the B+, one to modulator plate and
> one to RF Final plate. The only markings on it are the # A5806. It
> appears as a Merit part # but I cannot find any data. I was
> considering using it in a HB AM transmitter.Does anyone recognize
> this part #?
> Thanks, Byron WA5THJ

Sounds suspiciously like a Heising modulator choke. Don't have the data on it though, sorry.

Ken W7EKB

1399. Re: [glowbugradio] Re: Modulation Autoformer Info

Yahoo group: glowbugradio
Date: 2012-09-01 03:39:31 UTC
From: Robert Nickels
Topic: 1397 Message: 1399

On 8/31/2012 10:01 PM, Kenneth G. Gordon wrote:
> like a Heising modulator choke.

A common approach for low power modulation transformers using a single tube was to use the primary of an output transformer wired as an autotransformer (with the secondary disconnected (or used to drive a PA speaker if desired). You fed the B+ to the center tap, and one side of the primary went to the plate of the modulator and the other fed the PA. So in essence this sounds like a commercial version of a mod transformer built this way with a 1:1 ratio where, since the modulator and PA shared a common B+ connection, only three wires are needed.

I'd say it's a Stancor product, as they used the "single letter-dash-four numeral" part numbering system. But, since I don't see A-5806 in any of their old catalog listings that could mean it was a custom design. Perfect for a low-power AM transmitter using the same tube in the modulator and final.

73, Bob W9RAN

1400. Re: [glowbugradio] Re: Modulation Autoformer Info

Yahoo group: glowbugradio
Date: 2012-09-01 03:48:58 UTC
From: mac
Topic: 1397 Message: 1400

Could be an autotransformer configuration or could have separate primary and secondary windings with common b+ connection. If you're sure what lead went where to begin with a few measurements with an ohmmeter should tell you just what you have.

Dennis D. W7QHO
Glendale, CA

****
On Aug 31, 2012, at 7:09 PM, Byron Tatum wrote:

>
> Hello-
> I found some parts out of an old HF AM aircraft transceiver
> that had a single 6146 modulating a single 6146. A modulation
> autoformer appears to be the device used, it looks like a medium
> sized choke with 3 leads: one to the B+, one to modulator plate and
> one to RF Final plate. The only markings on it are the # A5806. It
> appears as a Merit part # but I cannot find any data. I was
> considering using it in a HB AM transmitter. Does anyone recognize
> this part #?
> Thanks,
> Byron WA5THJ
>
>

1401. Re: [glowbugradio] Re: Modulation Autoformer Info

Yahoo group: glowbugradio
Date: 2012-09-01 13:39:00 UTC
From: Carl
Topic: 1397 Message: 1401

Sounds adaptable to feed a bit of audio to a driver stage in a HB rig that doesnt have the tertiary winding on the modulation transformer.

Carl
KM1H

----- Original Message -----
From: Robert Nickels
To: glowbugradio@yahoogroups.com
Cc: Kenneth G. Gordon
Sent: Friday, August 31, 2012 11:39 PM
Subject: Re: [glowbugradio] Re: Modulation Autoformer Info

On 8/31/2012 10:01 PM, Kenneth G. Gordon wrote:
> like a Heising modulator choke.

A common approach for low power modulation transformers using a single tube was to use the primary of an output transformer wired as an autotransformer (with the secondary disconnected (or used to drive a PA speaker if desired). You fed the B+ to the center tap, and one side of the primary went to the plate of the modulator and the other fed the PA. So in essence this sounds like a commercial version of a mod transformer built this way with a 1:1 ratio where, since the modulator and PA shared a common B+ connection, only three wires are needed.

I'd say it's a Stancor product, as they used the "single letter-dash-four numeral" part numbering system. But, since I don't see A-5806 in any of their old catalog listings that could mean it was a custom design. Perfect for a low-power AM transmitter using the same tube in the modulator and final.

73, Bob W9RAN

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2437/5240 - Release Date: 09/01/12

1402. A nice (?) find...

Yahoo group: glowbugradio
Date: 2012-09-13 00:43:12 UTC
From: Kenneth G. Gordon
Topic: 1402 Message: 1402

Cleaning up the storage area: I found a brand-new, still in the original packaging, CU-168/FRR antenna multicoupler. Packaging is deteriorated, but the coupler looks new all over.

Not sure what to do with it.

Guess I'll put it up on eBay...

Ken W7EKB

1403. The How of Stuff at W9VES

Yahoo group: glowbugradio
Date: 2012-10-04 00:39:45 UTC
From: davidpnewkirk
Topic: 1403 Message: 1403

Responding to a regenerative receivers (regenrx) group posting about building gear in food tins, I put together a high-level rundown of gear in ongoing use at W9VES. One way or another it all uses non-enclosurish enclosures:

--- In regenrx@yahoogroups.com, "dayleedwards88" <dayleedwards@...> wrote:

> Gary, that reminds me of something I had completely forgotten. There was a guy back when I was a teenager, he built all his stuff modular style onto Canadian herring and Sardine cans. Everything was soldered to the can....not a nut or bolt in sight.. you know, these oval and rectangular ones, and they looked really good. I couldnt help but look in our local supermarket today while shopping, these cans are exactly the same. An Irish herring in tomato sauce will get you a chassis for a two valver, room for the output transformer will be a challenge. A Canadian Brunswik sardines in olive oil will do a decent single valve audio amp, and, wait for it, a large sized Aulsbrookes coffee cream selection will do a 4 valved superhet with a fully enclosed sheilded base!! And you have something to snack on while building progresses.

I do most of my experimentation in cookie tins augmented by International Coffees tins and the occasional mongrel gift or Twinings tea canister.

And more than experimentation: My go-to central ham equipment, a transmitter-receiver construction I call the Summer 40 Winter 80, is built in an approx 8 x 10 x 2-inch cookie tin with two International Coffee tins soldered on top. Together they house a bandswitched 80- and 40-meter transmitter (6BN11 pentode crystal oscillator or amp; 6BN11 pentode driver; 6JB5 or 10JA5, at first a 1631, final amplifier) and an NE602-based direct-conversion receiver minus local oscillator, which is built in an outboard box bought at a hamfest. The International Coffees tins house the 6JB5's output network (input C and inductors in one and output C in the other). A skinny Wrigley's Gum gift tin, beside the S40W80 on a power umbilical, houses a switchable NE602-based 40-meter converter (10.625-MHz crystal). Outboard passive UTC low-pass audio filters (you can buy a 1-kHz version from Surplus Sales [see the LMI-1000 way down in the lower right at http://www.surplussales.com/Filters/Filters-1.html], and I think a guy is still selling some LMI-500s on Ebay [search for UTC filter]) mounted in either a flat Christmas gift-card can or (as part of a 12JN8-12A6 AF amplifier unit) in a pencil tin, aided by a stage or two of op-amp-based AF peak and low-pass filtering, give me communications-class selectivity and shave off high-end hiss from the set's AF stages. (No, this selectivity is not single-signal; I find SS selectivity to be largely unnecessary as the ham population declines.)

Another toggle switch turns the S40W80's crystal-oscillator stage into a grounded-grid amplifier that can be cathode driven from a solid-state outboard VFO built into an ARC-5 transmitter hulk (which also houses a 280-V supply for the S40W80 transmitter) or my oft-used Crystalizer (http://mysite.verizon.net/dpnewkirk/ej/crystalizer/), which is built into the case from a failed computer power supply (topped by an International Coffee tin housing switching bandpass filters).

Another computer power supply case houses a one-tube crystal-oscillator transmitter that has multiple sockets and heater-voltage switching so it can take 6AQ5/12AQ5, 5763/6417, and 6BW6 tubes.

An alternative power supply for the S40W80, the one-tube oscillator transmitter, and other transmitters is built into two 5-inch diameter butter cookie tins connected together by multiple Molex-connectored umbilicals. This supply puts put about 320 V at the key-down current level demanded by the S40W80 transmitter, which puts out 7 to 12 W depending on the band and power supply used.

Which power I have kept rediscovering since my teens is all I need to experience the transmitting side of radio's magic and fun.

My dummy antennas are built into International Coffee (6 W load with RF peak voltmeter) and Snickers "tradition" (50 W load with RF peak voltmeter) tins.

The power-MOSFET keyer I use to cathode key my various transmitters (separate IRF840s for driver and final stages) is also built into a gift tin.

My BG-3 band-imaging receiver, now dismantled to be rebuilt into modular form in pencil and other tins, was built in a cookie tin with another, taller cookie tin soldered on top.

Yes, I take tins seriously. No, they're not good for anything that requires mechanical rigidity, like VFOs. Yes, I chuckle when I see folks fastidiously mounting circuit boards inside Altoids tins when all of those parts could have been soldered directly to the enclosure ugly/ground-plane/dead-bug style.

Some tins have a clear or tinted coating you must scrape away before you can solder to them. Tins are steel at base and will kill the Q of solenoidal coils unless such coils are kept at least a diameter away from the tin; I use toroidal inductors, and so this aspect of steel doesn't bother me. No, the steel of tins doesn't really give any greater protection against ac hum than, say, aluminum, as steel's initial permeability is too high for it to offer much magnetic
shielding--sez Terman in _Measurements in Radio Engineering_.

My father, Rod Newkirk, W9BRD, taught me how to build in tins; when I was growing up, his main receiver was an 80- or 160-meter regen topped by a converter--"topped" because it was built in coffee cans with those tight-fitting lids you initially opened with the help of a spot-welded-on key. The converter he'd built for my uncle, Phil Simmons, the first W9VES, to soup up his Hallicrafters SX-24 receiver, was based on two Prince Albert tobacco tins side by side like bongos; he also had a 2-W two-6U8s 160-meter transmitter built into a similarly bongolike pair of half-pound coffee cans.

Oh, and as for AF output transformers: No need to have a transformer installed in every receiver when you only use one receiver at a time, so I mounted my key AF output transformer (which provides a 7-kilohm load for a 12A6 from 8 or 500 ohms for speaker or headphones and sounds lovely on Morse and voice with modern phones) in an International Coffees tin, equipping this module and its associated equipment with Molex connectors so I can connect the transformer only
to the receiver I'm actually using at a given time.

Best regards,

Dave
amateur radio W9VES
where the other op's equipment enclosures all look the same on my end

1404. Remote antenna tuner

Yahoo group: glowbugradio
Date: 2012-10-14 00:32:33 UTC
From: Kenneth G. Gordon
Topic: 1404 Message: 1404

Could one or the other of youse guys suggest a weather-tight container that I could install a
remote antenna tuner into?

I'd like to be able to adjust my antenna for 160 meters without slogging through the snow to
change the tap on the base-loading coil, and I would really like to get this done before winter
hits.

Ken W7EKB

1405. RE: [glowbugradio] Remote antenna tuner

Yahoo group: glowbugradio
Date: 2012-10-14 00:42:48 UTC
From: D C _Mac_ Macdonald
Topic: 1404 Message: 1405

Hi, Ken.

Look in the new issue of QST (NOV) for answers to ALL your questions!

```
* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *
```

To: Glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Sun, 14 Oct 2012 00:32:33 +0000
Subject: [glowbugradio] Remote antenna tuner

Could one or the other of youse guys suggest a weather-tight container that I could install a
remote antenna tuner into?

I'd like to be able to adjust my antenna for 160 meters without slogging through the snow to
change the tap on the base-loading coil, and I would really like to get this done before winter
hits.

Ken W7EKB

1406. Re: [glowbugradio] Remote antenna tuner

Yahoo group: glowbugradio
Date: 2012-10-14 03:58:20 UTC
From: tvamfm@aol.com
Topic: 1404 Message: 1406

Home supply stores have some really nice plastic electrical boxes in
several sizes. They are meant for line voltage connections and are weatherproof.
They have no holes or knockouts so you can place holes wherever you need
them. The covers screw on. Some sizes come with convenient external mounting
ears. You will find them in the electrical department. If they don't have
them, check with your local electrical supplier.

73,

John, W4AWM

* * * * * * * * * * *

_____
To: Glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Sun, 14 Oct 2012 00:32:33 +0000
Subject: [glowbugradio] Remote antenna tuner

Could one or the other of youse guys suggest a weather-tight container
that I could install a
remote antenna tuner into?

.

1407. Re: [glowbugradio] Remote antenna tuner

Yahoo group: glowbugradio
Date: 2012-10-14 13:14:01 UTC
From: Carl
Topic: 1404 Message: 1407

Those cheap plastic totes work great but cover with a tarp or something for UV protection. Large volume keeps the price down compared to speciality products.

Ive used a Coleman beach/picnic cooler outdoors for over 20 years for the 160M verticals direction and phasing relays and circuits. It still looks good after one sanding and repaint with Rustoleum; $5 at a yard sale.

Carl
KM1H

----- Original Message -----
From: tvamfm@...
To: glowbugradio@yahoogroups.com
Sent: Saturday, October 13, 2012 11:58 PM
Subject: Re: [glowbugradio] Remote antenna tuner

Home supply stores have some really nice plastic electrical boxes in several sizes. They are meant for line voltage connections and are weatherproof. They have no holes or knockouts so you can place holes wherever you need them. The covers screw on. Some sizes come with convenient external mounting ears. You will find them in the electrical department. If they don't have them, check with your local electrical supplier.

73,

John, W4AWM

* * * * * * * * * * *

To: Glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Sun, 14 Oct 2012 00:32:33 +0000
Subject: [glowbugradio] Remote antenna tuner

Could one or the other of youse guys suggest a weather-tight container that I could install a
remote antenna tuner into?

.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1427 / Virus Database: 2441/5331 - Release Date: 10/14/12

1408. Re: [glowbugradio] Remote antenna tuner

Yahoo group: glowbugradio
Date: 2012-10-14 13:59:16 UTC
From: Jim
Topic: 1404 Message: 1408

For UV protection, remember that spray paint works fine -- like Carl says. Nowadays we have a number of brands of spray paint that are specially formulated for use on plastic. I've tried some of these. They work wonderfully, with little to no surface prep needed, short of washing off the mold release compound with some lacquer thinner on a scotchbrite pad.

Of course, almost any paint will work, given adequate surface prep. So if you want black and red stripes like the old Antenna Specialists, or camo to match your hunting truck -- enjoy.

I'd only add that you should pick an enclosure that'll last a long time, and isn't too difficult to open up for modifications, or inspection now and then.

73
Jim N6OTQ

>_____
> From: Carl <km1h@...>
>To: glowbugradio@yahoogroups.com
>Sent: Sunday, October 14, 2012 8:14 AM
>Subject: Re: [glowbugradio] Remote antenna tuner
>
>Those cheap plastic totes work great but cover with a tarp or something for
>UV protection. Large volume keeps the price down compared to speciality
>products.
>
>Ive used a Coleman beach/picnic cooler outdoors for over 20 years for the
>160M verticals direction and phasing relays and circuits. It still looks
>good after one sanding and repaint with Rustoleum; $5 at a yard sale.
>
>Carl
>KM1H
>

1409. Re: [glowbugradio] Digest Number 368

Yahoo group: glowbugradio
Date: 2012-10-15 07:01:46 UTC
From: Paul Beckwith
Topic: 1409 Message: 1409

At 07:54 AM 10/14/2012, Paul Beckwith wrote:
>Ken,
>
>A number of shooting supply vendors are offering used and new,
>weatherproof military ammo cans at reasonable prices.
>
>Good Luck with your project!
>
>73's de Paul K2LMQ Kingman, AZ
>
>
>
>At 12:52 AM 10/14/2012, you wrote:
>><http://groups.yahoo.com/;_ylc=X3oDMTJlYzNsZWxoBF9TAzk3MzU5NzE1BGdycElkAzIyNDM4MjgwBGdyc
HNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM1MDIwMTEyNg-->
>>Yahoo! Groups
>><http://groups.yahoo.com/;_ylc=X3oDMTJlYzNsZWxoBF9TAzk3MzU5NzE1BGdycElkAzIyNDM4MjgwBGdyc
HNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM1MDIwMTEyNg-->
>>
>><http://groups.yahoo.com/group/glowbugradio;_ylc=X3oDMTJlb2FxMnR0BF9TAzk3MzU5NzE1BGdycEl
kAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDaGRyBHNsawNocGgEc3RpbWUDMTM1MDIwMTEyNg-->Glow
bug
>>Radio Group
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>>3 New Messages
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>>Digest #368
>>1a
>>Remote antenna tuner by "Kenneth G. Gordon" w7ekb
>>1b
>>Re: Remote antenna tuner by "D C _Mac_ Macdonald" k2gkk
>>1c
>>Re: Remote antenna tuner by "tvamfm@..." john22015
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>>Messages
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>>Remote antenna tuner
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>>Sat Oct 13, 2012 5:32 pm (PDT) . Posted by:
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>><mailto:kgordon2006@...?subject=Re%3A%20Remote%20antenna%20tuner>"Kenneth
>>G. Gordon" w7ekb
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>>Could one or the other of youse guys suggest a weather-tight
>>container that I could install a
>>remote antenna tuner into?
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>>I'd like to be able to adjust my antenna for 160 meters without
>>slogging through the snow to
>>change the tap on the base-loading coil, and I would really like to
>>get this done before winter
>>hits.
>>
>>Ken W7EKB
>>
>><mailto:kgordon2006@...?subject=Re%3A%20Remote%20antenna%20tuner>Reply
>>to sender .
>><mailto:glowbugradio@yahoogroups.com?subject=Re%3A%20Remote%20antenna%20tuner>Reply
>>to group .
>><http://groups.yahoo.com/group/glowbugradio/post;_ylc=X3oDMTJydG84OTU2BF9TAzk3MzU5NzE1BG
dycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMxNDA0BHNlYwNkbXNnBHNsawNycGx5BHN0aW1l
AzEzNTAyMDExMjY-?act=reply&messageNum=1404>Reply
>>via Web Post .
>><http://groups.yahoo.com/group/glowbugradio/message/1404;_ylc=X3oDMTM2bGtmNHN2BF9TAzk3Mz
U5NzE1BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMxNDA0BHNlYwNkbXNnBHNsawN2dHBj
BHN0aW1lAzEzNTAyMDExMjYEdHBjSWQDMTQwNA-->All
>>Messages (3) . Top ^
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>>Re: Remote antenna tuner

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>>
>>Sat Oct 13, 2012 5:42 pm (PDT) . Posted by:
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>><mailto:k2gkk@...?subject=Re%3A%20Remote%20antenna%20tuner>"D
>>C _Mac_ Macdonald" k2gkk
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>>
>>Hi, Ken.
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>>Look in the new issue of QST (NOV) for answers to ALL your questions!
>>
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>>* * * * * * * * * * *
>>* 73 - Mac, K2GKK/5 *
>>* (Since 30 Nov 53) *
>>* <mailto:k2gkk%40hotmail.com>k2gkk@... *
>>* Oklahoma City, OK *
>>* USAF & FAA (Ret.) *
>>* * * * * * * * * * *
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>>
>>To: <mailto:Glowbugradio%40yahoogroups.com>Glowbugradio@yahoogroups.com

>>From: <mailto:kgordon2006%40frontier.com>kgordon2006@...
>>Date: Sun, 14 Oct 2012 00:32:33 +0000
>>Subject: [glowbugradio] Remote antenna tuner
>>
>>Could one or the other of youse guys suggest a weather-tight
>>container that I could install a
>>remote antenna tuner into?
>>
>>I'd like to be able to adjust my antenna for 160 meters without
>>slogging through the snow to
>>change the tap on the base-loading coil, and I would really like to
>>get this done before winter
>>hits.
>>
>>Ken W7EKB
>>
>>
>><mailto:k2gkk@...?subject=Re%3A%20Remote%20antenna%20tuner>Reply
>>to sender .
>><mailto:glowbugradio@yahoogroups.com?subject=Re%3A%20Remote%20antenna%20tuner>Reply
>>to group .
>><http://groups.yahoo.com/group/glowbugradio/post;_ylc=X3oDMTJyNDhsY21jBF9TAzk3MzU5NzE1BG
dycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMxNDA1BHNlYwNkbXNnBHNsawNycGx5BHN0aW1l
AzEzNTAyMDExMjY-?act=reply&messageNum=1405>Reply
>>via Web Post .
>><http://groups.yahoo.com/group/glowbugradio/message/1404;_ylc=X3oDMTM2MjM2OTV1BF9TAzk3Mz
U5NzE1BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMxNDA1BHNlYwNkbXNnBHNsawN2dHBj
BHN0aW1lAzEzNTAyMDExMjYEdHBjSWQDMTQwNA-->All
>>Messages (3) . Top ^
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>>Re: Remote antenna tuner
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>>Sat Oct 13, 2012 8:58 pm (PDT) . Posted by:
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>><mailto:tvamfm@...?subject=Re%3A%20Remote%20antenna%20tuner>"tvamfm@..."
>>john22015
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>>
>>Home supply stores have some really nice plastic electrical boxes in
>>several sizes. They are meant for line voltage connections and are
>>weatherproof.
>>They have no holes or knockouts so you can place holes wherever you need
>>them. The covers screw on. Some sizes come with convenient external mounting
>>ears. You will find them in the electrical department. If they don't have
>>them, check with your local electrical supplier.
>>
>>73,
>>
>>John, W4AWM
>>
>>* * * * * * * * * * *

1410. AWA 1929 Bruce Kelley CW QSO Party

Yahoo group: glowbugradio
Date: 2012-10-25 18:30:13 UTC
From: ve7sl@shaw.ca
Topic: 1410 Message: 1410

This is a friendly reminder to any of you that were still planning on putting something together for this fast-approaching annual event. This year's party runs on the first and second weekends of December....so...there is still time to fire-up your soldering iron and get in on this very enjoyable activity.

Contest info can be found here:

http://www.antiquewireless.org/pdf/AWA_2012-2013_Event_Schedule.pdf

Inspiration / pictures and '29 related links can be found here:

http://members.shaw.ca/ve7sl/tnt.html

It doesn't have to look pretty nor need it sound good....some believe the worse it sounds, the better! This year's activity will include 160m action on the second weekend....hope to hear you in the Party!

73 / Steve / VE7SL

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

1411. Re: [glowbugradio] AWA 1929 Bruce Kelley CW QSO Party

Yahoo group: glowbugradio
Date: 2012-10-25 19:27:52 UTC
From: Kenneth G. Gordon
Topic: 1410 Message: 1411

On 25 Oct 2012 at 18:30, ve7sl@... wrote:

> This is a friendly reminder to any of you that were still planning on
> putting something together for this fast-approaching annual event.
> This year's party runs on the first and second weekends of
> December....so...there is still time to fire-up your soldering iron
> and get in on this very enjoyable activity.
>
> Contest info can be found here:
>
> http://www.antiquewireless.org/pdf/AWA_2012-2013_Event_Schedule.pdf
>
> Inspiration / pictures and '29 related links can be found here:
>
> http://members.shaw.ca/ve7sl/tnt.html
>
> It doesn't have to look pretty nor need it sound good....some believe
> the worse it sounds, the better! This year's activity will include
> 160m action on the second weekend....hope to hear you in the Party!
>
>
> 73 / Steve / VE7SL

Hello, Steve: I have visited your site and am most impressed with your work, and especially with the way your rig sounds. It is simply beautiful!

It has ALWAYS been my contention that a TPTG or TNT rig that is PROPERLY built and operated should sound as good as a modern rig.

I have never been impressed by the lousy signals that some of the guys put on the air.

You may find this of interest:

http://www.w7ekb.com/glowbugs/tx/transmitters.html

and especially this:

http://www.w7ekb.com/glowbugs/tx/tnt.htm

I very much hope to FINALLY have my own Bruce Kelley rig finished by this year's event.

FYI, there are several things I have learned about these rigs that might be helpful to you to know, if you don't already.

There was an article in QST magazine back in 1929 which discussed how to make the signals of the more common CW rigs appropriate for 1929. I think

it was entitled something like "Rotten Signals, and How to Cure Them" and was by Ross Hull. I have a copy of it around here somewhere.

First of all, in any TPTG rig, the operating frequency is determined by the circuit (grid or plate) which has the higher "Q". What this means is that if you build a TPTG and make the grid circuit MUCH lower "Q" than that of the plate circuit, you can very easily set the frequency with the plate circuit, and then "dip" the plate current by tuning the grid circuit.

Secondly, it has been my experience that using ANYTHING other than air-dielectric capacitors in the plate tuned circuit results in chirp, drift, and other distressing noises. Of course, the best type to use would be a vacuum capacitor, but those weren't available in 1929. Therefore, the use of a fixed or variable air-dielectric cap when a "padder" is needed.

If you look closely at Jack W7QQQ's TPTG rig, you will notice that his padder is a fixed air-dielectric type. His signal on the air is indistinguishable from a good modern rig. I have worked him on both 80 and 40 when he uses this rig and it sounds simply beautiful.

Thirdly, I have been somewhat irritated by the AWA's insistence on input powers of 10 and 20 watts. Therefore, my rig will be a Push-Pull pair of 211s, and will operate at as much power input as I can run and still maintain as perfect a signal quality as I can possibly achieve. I am hoping for at least 100 watts input, but that remains to be seen. This, of course, will make me ineligible to officially participate in the event, but I am trying to make a point which I hope will improve both participation and effectiveness.

The photo on that web page I listed above of my rig shows it in its present, unfinished, condition. There will be another vernier mounted to the left to adjust the grid tuning capacitor. I will also mount a surface-mount meter that was made in about 1899 on the panel between the middle and left-most verniers to measure plate current. It is quite large and works perfectly. I will have to change the scale though.

I have not yet stained and finished the very nice piece of Phillipine Mahogany on which the bits will be mounted, nor have I polished the plate coil yet. I have also to remove the protective backing from the front panel, and will decorate it appropriately by painting its surface with black wrinkle paint, then painting decorattive gold "curly-cues" at all four corners, and will label the controls in the same manner.

The power supply is one I have had here for some time. It has a very heavy-duty variac in the circuit so I can adjust plate voltage approriately for the 211s (no more than 1250 VDC), and I have included a load resistor and a keying relay to maintain the load on the power supply as constant as I possibly can. The relay will connect an appropriately sized resistor across the output of the power supply at key-UP, and remove it at key-DOWN. This is an attempt to prevent chirping due to plate voltage variations.

Well, enough of this. I better get to work.

Again, thank you VERY much for your encouragement and your very, very nice webpage.

vy 73,

Ken W7EKB

1412. Re: [glowbugradio] AWA 1929 Bruce Kelley CW QSO Party

Yahoo group: glowbugradio
Date: 2012-10-25 20:00:46 UTC
From: ve7sl@shaw.ca
Topic: 1410 Message: 1412

Hello Ken and wonderful to hear from you and of your progress for the '29 project. I sure hope you get it done in time for the event...the more the merrier. Being not too far away, you should be LOUD here and the QSO Party needs more activity from the west coast.

> have visited your site and am most impressed with your work,
> and especially with the way your rig sounds. It is simply beautiful!

Truth be told Ken, it is your site that has inspired me for many years and I continue to draw ideas from it still....so many projects, so little time :-(

> I have never been impressed by the lousy signals that some of the guys put
> on the air.

There are some real howlers it seems but most of them are pretty impressive, especially if the wind is not blowing their antennas around. With the one-tubers, you can have the best sounding signal possible...until the wind starts blowing.
I agree, with a little care and attention, even the simple TNT can be made to sound very respectable.

> There was an article in QST magazine back in 1929 which discussed how to
> make the signals of the more common CW rigs appropriate for 1929. I think
> it was entitled something like "Rotten Signals, and How to Cure Them" and
> was by Ross Hull. I have a copy of it around here somewhere.

Yes...I have a link to it on my web page describing his Hull Hartley, the rig he put together and described in the article:

http://www.w1ujr.net/Overhauling%20the%20Transmitter%20for%201929.pdf

It is a wonderful classic and a great read...I have read it over several times throughout the past few years. Hull was a true genius when it came to electronic construction and design...what a loss his early demise was to the radio community back then.

> Thirdly, I have been somewhat irritated by the AWA's insistence on input
> powers of 10 and 20 watts.

I agree...power limitations are a little unrealistic and I'm certain that the 'boys' of '29' cranked-up the juice as high as they could, even with their puny 210's. Having said that, it is still pretty amazing what can be worked during the Party with just a watt or two....these AWA '29 guys are all exceptionally sharp CW guys and seem to be able to hear even a whisper.

> The photo on that web page I listed above of my rig shows it in its
> present,
> unfinished, condition.

It looks like you are almost there with it...can't wait to hear it Ken!

>This is an attempt to prevent chirping due to plate voltage variations.

don't make it sound too good nice or nobody will believe it ;-)

> Again, thank you VERY much for your encouragement and your very, very
> nice webpage.

Thank you Ken...your comments are very much appreciated. The '29 pages were meant to inspire new builders and to hang on to the dying art of homebrewing in general.

See you in the B-K (or earlier if you need a 'listen' some night).

Steve / 73

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

1413. Remote rotary-coil control

Yahoo group: glowbugradio
Date: 2012-12-06 17:10:33 UTC
From: Kenneth G. Gordon
Topic: 1413 Message: 1413

I spent some time last night designing a very simple means of controlling a motor-driven rotary coil for base-loading my vertical.

It consists of a DPDT-Center-Off toggle switch and two SPDT micro-switches as the limit-switches.

Trouble is, I haven't figured out a simple way to tell how many turns (or counts) from one end or the other I am.

I am thinking about using an old satellite TV actuator controller for that purpose.

Anyone have any simpler ideas?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1414. Re: [glowbugradio] Remote rotary-coil control

Yahoo group: glowbugradio
Date: 2012-12-06 17:30:41 UTC
From: Jim
Topic: 1413 Message: 1414

Old floppy drives have an LED / detector pair in them. If you attach a little wheel with one small hole in it, and place the detector pair where it sees the hole once per revolution, it's simple to put a counter on it ... and on the 0-turn limit switch, a reset for the counter.

Then you just count revs, one per pulse.

You'll need a cable that transmits the pulses into your shack, and you may need a buffer on each end. But all this is easily achievable in TTL, and you can usually get the right stuff out of junk.

Or you can do it the harder "modern" way with a PIC. Freescale sells some 32-bit microcontrollers that have a vast array of on-chip timers/counters and interface encoders, so you could do that too, if you're up to it.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: Glowbugradio@yahoogroups.com
>Sent: Thursday, December 6, 2012 11:10 AM
>Subject: [glowbugradio] Remote rotary-coil control
>
>I spent some time last night designing a very simple means of controlling a
>motor-driven rotary coil for base-loading my vertical.
>
>It consists of a DPDT-Center-Off toggle switch and two SPDT micro-switches
>as the limit-switches.
>
>Trouble is, I haven't figured out a simple way to tell how many turns (or
>counts) from one end or the other I am.
>
>I am thinking about using an old satellite TV actuator controller for that
>purpose.
>
>Anyone have any simpler ideas?
>
>Kenneth G. Gordon W7EKB
>
>"Courage is being scared to death but saddling up anyway."--- John Wayne
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>Yahoo! Groups Links
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1415. RE: [glowbugradio] Remote rotary-coil control

Yahoo group: glowbugradio
Date: 2012-12-06 17:31:38 UTC
From: D C _Mac_ Macdonald
Topic: 1413 Message: 1415

Maybe not terribly simple, but install a couple of microswitches to activate at the ends of travel on the rotary coil. You could use those to activate an indicator lamp/LED and also interrupt the supply voltage that runs the motor. I'm pretty sure that Master Mobile had such an arrangement back in the 50s and 60s with their "Master Matcher." This device was used to resonate their center-loaded mobile antenna at frequencies lower than what they were cut for. The antenna was tuned to the high end of the band and then the rotary brought "system" down to frequencies that were "down" the band. Mine was basically flat from 3.5 to 4.0 MHz on 80.

I wouldn't worry too much about WHERE the tap was. Tune the system for highest noise level on receive then use low power, 10W or so, to fine tune for the minimum VSWR.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: Glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Thu, 6 Dec 2012 09:10:33 -0800
Subject: [glowbugradio] Remote rotary-coil control

I spent some time last night designing a very simple means of controlling a motor-driven rotary coil for base-loading my vertical.

It consists of a DPDT-Center-Off toggle switch and two SPDT micro-switches as the limit-switches.

Trouble is, I haven't figured out a simple way to tell how many turns (or counts) from one end or the other I am.

I am thinking about using an old satellite TV actuator controller for that purpose.

Anyone have any simpler ideas?

Kenneth G. Gordon W7EKB

1416. Re: [glowbugradio] Remote rotary-coil control

Yahoo group: glowbugradio
Date: 2012-12-06 17:52:37 UTC
From: oldradio@comcast.net
Topic: 1413 Message: 1416

A reed switch and a magnet and a digital counter.

73, John Dilks, K2TQN

-.-

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@frontier.com>
To: Glowbugradio@yahoogroups.com
Sent: Thursday, December 6, 2012 12:10:33 PM
Subject: [glowbugradio] Remote rotary-coil control

I spent some time last night designing a very simple means of controlling a motor-driven rotary coil for base-loading my vertical.

It consists of a DPDT-Center-Off toggle switch and two SPDT micro-switches as the limit-switches.

Trouble is, I haven't figured out a simple way to tell how many turns (or counts) from one end or the other I am.

I am thinking about using an old satellite TV actuator controller for that purpose.

Anyone have any simpler ideas?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1417. Re: [glowbugradio] Remote rotary-coil control

Yahoo group: glowbugradio
Date: 2012-12-06 18:05:29 UTC
From: Paul Kraemer
Topic: 1413 Message: 1417

Gear drive to a ten turn pot for simple absolute encoder.
Or, use optocouplers and encoder wheel. If you physically off set two opto couplers it can be directional with up down pulses. Use a PIC or discreet logic to do the rest.
Paul K0UYA
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, December 06, 2012 11:10 AM
Subject: [glowbugradio] Remote rotary-coil control

I spent some time last night designing a very simple means of controlling a motor-driven rotary coil for base-loading my vertical.

It consists of a DPDT-Center-Off toggle switch and two SPDT micro-switches as the limit-switches.

Trouble is, I haven't figured out a simple way to tell how many turns (or counts) from one end or the other I am.

I am thinking about using an old satellite TV actuator controller for that purpose.

Anyone have any simpler ideas?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1418. Re: [glowbugradio] Remote rotary-coil control

Yahoo group: glowbugradio
Date: 2012-12-06 21:32:14 UTC
From: Kenneth G. Gordon
Topic: 1413 Message: 1418

Thanks for all the suggestions, Folks. I'll get at it asap.

Ken W7EKB

1419. Re: [glowbugradio] Remote rotary-coil control - more details

Yahoo group: glowbugradio
Date: 2012-12-07 00:44:32 UTC
From: Kenneth G. Gordon
Topic: 1413 Message: 1419

Thanks, again, for the ideas, folks.

I thought I might provide some additional information for your amusement:

The antenna in question is my 55 foot tall "two-band" vertical (80 and 40). It has a combination trap/loading-coil at the 33 foot level, and I use it on all bands with an antenna coupler at the transmitter end.

It works about as well as any vertical does, especially considering that I have only 4 radials laid down.

I built a loading-coil for the base so I could use the antenna on 160 meters. I used a beautiful all-ceramic 3" diameter old National coil form, and wound it with #12 wire. It works very well to enable me to get on 160, and I have even worked Europe with it and 100 watts.

However, in order to change from 80 and above to 160 and back again, I have to go outside to the antenna and manually change the jumper.

Further, since the entire antenna system is pretty high "Q", I have to move the jumper for every 15 KHz or so I move frequency in order to get a low SWR. When everything is correct, I can achieve a 1:1 SWR.

I also bought off eBay, the large variable inductor that was originally in the BC-939 antenna coupler, made by B&W, that was used with the BC-610 and the T-368. It is wound with what looks like #10 silver-plated wire, and is mounted between two thick plates of ceramic. The contact slides on a glass rod. The coil is complete although not in its original box. It is just the big variable inductor without any of the other bits that were in the BC-939.

I also bought a nice little DC gear-motor off eBay some time ago. I have not yet tested to see if it has enough torque to rotate the coil though.

I'll report back here when/if I get any further along with another of my endless projects. I sure hope I have it done before we get two feet of snow here.

vy 73,

Ken W7EKB

1420. Re: [glowbugradio] Remote rotary-coil control - more details

Yahoo group: glowbugradio
Date: 2012-12-07 01:20:12 UTC
From: mac
Topic: 1413 Message: 1420

Ken,

Why do you have to count the turns, a requirement you mentioned in
previous messages? Just run a low power signal out through an SWR
bridge to your antenna and rotate for minimum mismatch.

Dennis D. W7QHO
Glendale, CA

****
On Dec 6, 2012, at 4:44 PM, Kenneth G. Gordon wrote:

> Thanks, again, for the ideas, folks.
>
> I thought I might provide some additional information for your
> amusement:
>
> The antenna in question is my 55 foot tall "two-band" vertical (80
> and 40). It
> has a combination trap/loading-coil at the 33 foot level, and I use
> it on all
> bands with an antenna coupler at the transmitter end.
>
> It works about as well as any vertical does, especially considering
> that I have
> only 4 radials laid down.
>
> I built a loading-coil for the base so I could use the antenna on
> 160 meters. I
> used a beautiful all-ceramic 3" diameter old National coil form, and
> wound it
> with #12 wire. It works very well to enable me to get on 160, and I
> have even
> worked Europe with it and 100 watts.
>
> However, in order to change from 80 and above to 160 and back again, I
> have to go outside to the antenna and manually change the jumper.
>
> Further, since the entire antenna system is pretty high "Q", I have
> to move
> the jumper for every 15 KHz or so I move frequency in order to get a
> low
> SWR. When everything is correct, I can achieve a 1:1 SWR.
>
> I also bought off eBay, the large variable inductor that was
> originally in the

> BC-939 antenna coupler, made by B&W, that was used with the BC-610 and
> the T-368. It is wound with what looks like #10 silver-plated wire,
> and is
> mounted between two thick plates of ceramic. The contact slides on a
> glass
> rod. The coil is complete although not in its original box. It is
> just the big
> variable inductor without any of the other bits that were in the
> BC-939.
>
> I also bought a nice little DC gear-motor off eBay some time ago. I
> have not
> yet tested to see if it has enough torque to rotate the coil though.
>
> I'll report back here when/if I get any further along with another
> of my endless
> projects. I sure hope I have it done before we get two feet of snow
> here.
>
> vy 73,
>
> Ken W7EKB
>

1421. Re: [glowbugradio] Remote rotary-coil control - more details

Yahoo group: glowbugradio
Date: 2012-12-07 02:16:42 UTC
From: Kenneth G. Gordon
Topic: 1413 Message: 1421

On 6 Dec 2012 at 17:20, mac wrote:

> Ken,
>
> Why do you have to count the turns, a requirement you mentioned in
> previous messages?

In order to be able to QUICKLY reset it to a specific frequency when I have to change bands in a hurry.

> Just run a low power signal out through an SWR
> bridge to your antenna and rotate for minimum mismatch.

Yup. I thought of that already, and will undoubtedly do that to start with, but I want to, eventually, do it automatically.

One idea I have is to use an old satellite TV dish positioner. They have memories in which you can store several (up to 99) positions with instant recall and no overlap.

And when you send them the opposite direction, they count down.

For a long time, they used a wheel in the motor housing, geared way down, which had 4 magnets in it and they used a hall-device as the sensor. Resolution would amount to 1/4 turn, which ought to be close enough.

I have found such a positioner on eBay for $29, and I have a spare motor. Trouble is, it requires 36 VDC and has enough torgue to twist the coil into a pretzel. If a limit switch failed, I'd be looking for a new coil.

I may use it anyway....

I used to have old dish positioners, but tossed them all a long time ago. Should have kept one. Like the old MTI-2800, and the old Houston Trackers.

Ken W7EKB

1422. RE: [glowbugradio] Remote rotary-coil control - more details

Yahoo group: glowbugradio
Date: 2012-12-09 09:23:52 UTC
From: N4ZED
Topic: 1413 Message: 1422
Attachments: 2 described; binary payloads are missing from this source WARC

"Trouble is, it requires 36 VDC and has enough torgue to twist the coil into
a
pretzel. If a limit switch failed, I'd be looking for a new coil.
"

I've seen some torque limiting, in line, devices. They were 1/4" shaft
coupling type. Sorry can't remember where I saw them. Some boat anchor
stuff.

Ken

N4zed

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On
Behalf Of Kenneth G. Gordon
Sent: Thursday, December 06, 2012 9:17 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Remote rotary-coil control - more details

On 6 Dec 2012 at 17:20, mac wrote:

> Ken,
>
> Why do you have to count the turns, a requirement you mentioned in
> previous messages?

In order to be able to QUICKLY reset it to a specific frequency when I have
to change bands in a hurry.

> Just run a low power signal out through an SWR
> bridge to your antenna and rotate for minimum mismatch.

Yup. I thought of that already, and will undoubtedly do that to start with,
but I
want to, eventually, do it automatically.

One idea I have is to use an old satellite TV dish positioner. They have
memories in which you can store several (up to 99) positions with instant
recall and no overlap.

And when you send them the opposite direction, they count down.

For a long time, they used a wheel in the motor housing, geared way down,
which had 4 magnets in it and they used a hall-device as the sensor.
Resolution would amount to 1/4 turn, which ought to be close enough.

I have found such a positioner on eBay for $29, and I have a spare motor.
Trouble is, it requires 36 VDC and has enough torgue to twist the coil into
a
pretzel. If a limit switch failed, I'd be looking for a new coil.

I may use it anyway....

I used to have old dish positioners, but tossed them all a long time ago.
Should have kept one. Like the old MTI-2800, and the old Houston Trackers.

Ken W7EKB

1423. RE: [glowbugradio] Remote rotary-coil control - more details

Yahoo group: glowbugradio
Date: 2012-12-09 11:56:59 UTC
From: Ken Durand
Topic: 1413 Message: 1423
Attachments: 2 described; binary payloads are missing from this source WARC

http://www.zero-max.com/documents/5297%20Zero-Max%20Torq-Tender%20r18.pdf

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of N4ZED
Sent: Sunday, December 09, 2012 4:24 AM
To: glowbugradio@yahoogroups.com
Subject: RE: [glowbugradio] Remote rotary-coil control - more details

"Trouble is, it requires 36 VDC and has enough torgue to twist the coil into a
pretzel. If a limit switch failed, I'd be looking for a new coil.
"

I've seen some torque limiting, in line, devices. They were 1/4" shaft coupling type. Sorry can't remember where I saw them. Some boat anchor stuff.

Ken

N4zed

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Thursday, December 06, 2012 9:17 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Remote rotary-coil control - more details

On 6 Dec 2012 at 17:20, mac wrote:

> Ken,
>
> Why do you have to count the turns, a requirement you mentioned in
> previous messages?

In order to be able to QUICKLY reset it to a specific frequency when I have to change bands in a hurry.

> Just run a low power signal out through an SWR
> bridge to your antenna and rotate for minimum mismatch.

Yup. I thought of that already, and will undoubtedly do that to start with, but I
want to, eventually, do it automatically.

One idea I have is to use an old satellite TV dish positioner. They have memories in which you can store several (up to 99) positions with instant recall and no overlap.

And when you send them the opposite direction, they count down.

For a long time, they used a wheel in the motor housing, geared way down, which had 4 magnets in it and they used a hall-device as the sensor. Resolution would amount to 1/4 turn, which ought to be close enough.

I have found such a positioner on eBay for $29, and I have a spare motor. Trouble is, it requires 36 VDC and has enough torgue to twist the coil into a
pretzel. If a limit switch failed, I'd be looking for a new coil.

I may use it anyway....

I used to have old dish positioners, but tossed them all a long time ago. Should have kept one. Like the old MTI-2800, and the old Houston Trackers.

Ken W7EKB

1424. Re: [glowbugradio] Remote rotary-coil control - more details

Yahoo group: glowbugradio
Date: 2012-12-09 16:28:59 UTC
From: Paul Kraemer
Topic: 1413 Message: 1424

How about using one of the re-settable fuses? I think that is what the automotive power window mechanism uses. Choose the trip limit just over normal operation and any overload trips the fuse. It cools and re sets
Paul K0UYA
----- Original Message -----
From: N4ZED
To: glowbugradio@yahoogroups.com
Sent: Sunday, December 09, 2012 3:23 AM
Subject: RE: [glowbugradio] Remote rotary-coil control - more details

"Trouble is, it requires 36 VDC and has enough torgue to twist the coil into a pretzel. If a limit switch failed, I'd be looking for a new coil.
"

I've seen some torque limiting, in line, devices. They were 1/4" shaft coupling type. Sorry can't remember where I saw them. Some boat anchor stuff.

Ken

N4zed

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Thursday, December 06, 2012 9:17 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Remote rotary-coil control - more details

On 6 Dec 2012 at 17:20, mac wrote:

> Ken,
>
> Why do you have to count the turns, a requirement you mentioned in
> previous messages?

In order to be able to QUICKLY reset it to a specific frequency when I have to change bands in a hurry.

> Just run a low power signal out through an SWR
> bridge to your antenna and rotate for minimum mismatch.

Yup. I thought of that already, and will undoubtedly do that to start with, but I want to, eventually, do it automatically.

One idea I have is to use an old satellite TV dish positioner. They have memories in which you can store several (up to 99) positions with instant recall and no overlap.

And when you send them the opposite direction, they count down.

For a long time, they used a wheel in the motor housing, geared way down, which had 4 magnets in it and they used a hall-device as the sensor. Resolution would amount to 1/4 turn, which ought to be close enough.

I have found such a positioner on eBay for $29, and I have a spare motor. Trouble is, it requires 36 VDC and has enough torgue to twist the coil into a pretzel. If a limit switch failed, I'd be looking for a new coil.

I may use it anyway....

I used to have old dish positioners, but tossed them all a long time ago. Should have kept one. Like the old MTI-2800, and the old Houston Trackers.

Ken W7EKB

1425. Re: [glowbugradio] Remote rotary-coil control - more details

Yahoo group: glowbugradio
Date: 2012-12-09 22:09:34 UTC
From: Kenneth G. Gordon
Topic: 1413 Message: 1425

On 9 Dec 2012 at 10:28, Paul Kraemer wrote:

> How about using one of the re-settable fuses? I think that is what the
> automotive power window mechanism uses. Choose the trip limit just
> over normal operation and any overload trips the fuse. It cools and re
> sets Paul K0UYA

That would work. I'll probably do that if I end up using the dish-mover motor.

I'll keep you all posted.

I went out yesterday and removed the dish actuator from our VERY old 11' satellite dish....which our youngest son had pretty much dismantled, since we haven't used it in at least 10 years.

The motor, gear-box, and position sensor all seem to be OK.

It also runs just fine, although very slowly, on 12 VDC instead of the 36 VDC it is designed for.

More later.

Ken W7EKB

1426. Fw: AIRBRUSH KIT 4-Sale

Yahoo group: glowbugradio
Date: 2012-12-10 01:36:58 UTC
From: K0DAN
Topic: 1426 Message: 1426

For those who do boatanchor restorations, scale models, artwork, automobile detail, etc.

New In Box W.R. Brown Co. airbrush kit. Includes three quick-change paint bottles with adjustable nozzles, airhose with fittings, detail sprayer nozzle, instructions. Requires external compressor.

Contact me off-list for photos.

$20 + USPS Medium Flat Rate Box shipping.

1427. Rotary-inductor drive

Yahoo group: glowbugradio
Date: 2012-12-11 02:54:00 UTC
From: Kenneth G. Gordon
Topic: 1427 Message: 1427

Today, I examined an old satellite dish-mover I had in the junque pile. I removed the motor/gearbox from the shaft and opened up the terminal box.

There are two limit-switches in there with adjustable stops, and a magnet-and-reed-switch assembly.

The reed-switch is a sealed unit.

I connected the positive side of a 5 VDC supply to one lead of the reed-switch, a scope probe to the other lead, and the connected the negative side of the power supply to the scope's ground lead.

Operating the motor on 12 VDC ran it just fine, and the output on the scope was a nice 5 V P-P square wave.

I'm going to see if I can input the square-wave to my frequency counter to see if it will count the number of pulses.

The limit switches worked properly too.

Now to see if I can rig up some sort of drive to the rotary coil.

Ken W7EKB

1428. Tuning Units

Yahoo group: glowbugradio
Date: 2012-12-11 19:57:48 UTC
From: Dan Ferguson
Topic: 1428 Message: 1428

I have these five Tuning Units:

Type TU- xx 2.0 - 2.5 MHz (TU-47 ?? I'm guessing!)
Type TU- 48 2.5 - 3.2 MHz
Type TU- 49 3.2 - 4.0 MHz
Type TU- 50 4.0 - 5.0 MHz
Type TU- 50 4.0 - 5.0 MHz (missing crystal socket on this one)

I figure someone in this group may be know what equipment they go with
and what they might be worth, considering they all have some external
corrosion. ??

Dan

1429. Re: [glowbugradio] Tuning Units

Yahoo group: glowbugradio
Date: 2012-12-11 20:23:15 UTC
From: Kenneth G. Gordon
Topic: 1428 Message: 1429

On 11 Dec 2012 at 14:57, Dan Ferguson wrote:

> I have these five Tuning Units:
>
> Type TU- xx 2.0 - 2.5 MHz (TU-47 ?? I'm guessing!)
> Type TU- 48 2.5 - 3.2 MHz
> Type TU- 49 3.2 - 4.0 MHz
> Type TU- 50 4.0 - 5.0 MHz
> Type TU- 50 4.0 - 5.0 MHz (missing crystal socket on this one)
>
>
> I figure someone in this group may be know what equipment they go with
> and what they might be worth, considering they all have some external
> corrosion. ??

Photos? They MAY be for the BC-610....and maybe not...photos would tell
us a lot more.

There were several pieces of military equipment which used tuning units with
identical numbers, but which were totally different.

External corrosion is usually not a "stopper".

Ken W7EKB

1430. Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2012-12-30 18:26:26 UTC
From: Kenneth G. Gordon
Topic: 1430 Message: 1430

Gents:

I am investigating the purchase of a good transistor tester. I don't think I need a curve-tracer, but simply one which will test and adequately match transistors up through the TO-220 sized RF power types.

Can anyone here recommend such, or point me towards details of one I could build?

I really don't have room for one of those Tektronix 545-sized curve tracers.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1431. Re: [glowbugradio] Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2012-12-31 21:30:33 UTC
From: Rod Hogg
Topic: 1430 Message: 1431

Hard to beat the Sencore TF-30 ,"Super Cricket", if you can find one.

Rod
KØEQH

--- On Sun, 12/30/12, Kenneth G. Gordon <kgordon2006@frontier.com> wrote:

From: Kenneth G. Gordon <kgordon2006@...>
Subject: [glowbugradio] Transistor tester suggestions.
To: Glowbugradio@yahoogroups.com
Date: Sunday, December 30, 2012, 12:26 PM

Gents:

I am investigating the purchase of a good transistor tester. I don't think I need a curve-tracer, but simply one which will test and adequately match transistors up through the TO-220 sized RF power types.

Can anyone here recommend such, or point me towards details of one I could build?

I really don't have room for one of those Tektronix 545-sized curve tracers.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1432. Re: [glowbugradio] Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2012-12-31 21:31:37 UTC
From: Kenneth G. Gordon
Topic: 1430 Message: 1432

On 31 Dec 2012 at 13:30, Rod Hogg wrote:

> Hard to beat the Sencore TF-30 ,"Super Cricket", if you can find one.
> Rod KØEQH

Thanks, Rod. You're the third person to mention that device. ;-)

Ken W7EKB

1433. Re: [glowbugradio] Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2012-12-31 21:41:55 UTC
From: Jim
Topic: 1430 Message: 1433

Count me in as #4. And one of my ex-mil friends from the 1990s? Count him as #5.

There's the Super Cricket as well as a slightly down-scaled Cricket that's essentially the same functionally. Both are wonderful.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: glowbugradio@yahoogroups.com
>Sent: Monday, December 31, 2012 3:31 PM
>Subject: Re: [glowbugradio] Transistor tester suggestions.
>
>On 31 Dec 2012 at 13:30, Rod Hogg wrote:
>
>> Hard to beat the Sencore TF-30 ,"Super Cricket", if you can find one.
>>   Rod KØEQH
>
>Thanks, Rod. You're the third person to mention that device. ;-)
>
>Ken W7EKB
>

1434. Re: [glowbugradio] Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2012-12-31 22:52:11 UTC
From: Carl
Topic: 1430 Message: 1434

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Monday, December 31, 2012 4:31 PM
Subject: Re: [glowbugradio] Transistor tester suggestions.

On 31 Dec 2012 at 13:30, Rod Hogg wrote:

> Hard to beat the Sencore TF-30 ,"Super Cricket", if you can find one.
> Rod K?EQH

Thanks, Rod. You're the third person to mention that device. ;-)

Ken W7EKB

Never heard of it (-;

Ive had excellent results with a Heath IT-1321 which does bipolar, fet,
dualgate fets, diodes, with a meter reading of the selected parameters. Also
does power devices such as the various TO-3 and 220. Ive even matched
100-200W VHF/UHF brick transistors at least to the point of long term
reliable repairs.

I think I paid all of $15 for it on fleabay or a hamfest a decade + ago.

Carl
KM1H

1435. Re: [glowbugradio] Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2012-12-31 23:33:51 UTC
From: Robert Nickels
Topic: 1430 Message: 1435

I'll toss out a vote for the B&K 520 also. Nice big meter for easy leakage measurements, very convenient to use with socket and quick-clip leads for in-circuit. Fast to ID unknown transistors and the 520B model does FETs too.

You guys make me think I shoulda dived into the dumpster and retrieved the Cricket my buddy tossed there in a fit of unhappiness with it.

73, Bob W9RAN

1436. Re: [glowbugradio] Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2012-12-31 23:59:15 UTC
From: Kenneth G. Gordon
Topic: 1430 Message: 1436

On 31 Dec 2012 at 17:52, Carl wrote:

> Ive had excellent results with a Heath IT-1321 which does bipolar,
> fet, dualgate fets, diodes, with a meter reading of the selected
> parameters. Also does power devices such as the various TO-3 and 220.
> Ive even matched 100-200W VHF/UHF brick transistors at least to the
> point of long term reliable repairs.
>
> I think I paid all of $15 for it on fleabay or a hamfest a decade +
> ago.

Thanks, Carl. I've been "interviewing" the Heathkit units.

The IM-30 is pretty interesting: one can use external power supplies for voltages up to 150 VDC.

I'll look at the IT-1321 too.

I HAD a Tek 575 with the 122 adapter too, but it takes up so much room, I really wouldn't want to use it...if I had kept it.

Ken W7EKB

1437. Re: [glowbugradio] Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2013-01-01 00:03:55 UTC
From: Kenneth G. Gordon
Topic: 1430 Message: 1437

> On 31 Dec 2012 at 17:52, Carl wrote:
>
> > Ive had excellent results with a Heath IT-1321 which does bipolar,
> > fet, dualgate fets, diodes, with a meter reading of the selected
> > parameters. Also does power devices such as the various TO-3 and
> > 220. Ive even matched 100-200W VHF/UHF brick transistors at least to
> > the point of long term reliable repairs.

Actually, I think you mean the IT-3121. There is one of those on fleabay
right now for ~$40.00, less shipping.

Ken W7EKB

1438. Re: [glowbugradio] Transistor tester suggestions.

Yahoo group: glowbugradio
Date: 2013-01-01 03:25:32 UTC
From: Paul Kraemer
Topic: 1430 Message: 1438

Crickett and Super Crickett are more of a lead identifier go no go device
I think the TF-166 transistor fet tester might be more what you indicated you were looking for
Many other similar testers from Heath, RCA, BK, Hickok---basically any company that sold service test equipment.
Transistor testers aren't rocket science. One of best one I've used is an RCA that I got for $5 on ebay.
Paul K0UYA
----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Monday, December 31, 2012 3:31 PM
Subject: Re: [glowbugradio] Transistor tester suggestions.

On 31 Dec 2012 at 13:30, Rod Hogg wrote:

> Hard to beat the Sencore TF-30 ,"Super Cricket", if you can find one.
> Rod KØEQH

Thanks, Rod. You're the third person to mention that device. ;-)

Ken W7EKB

1439. Classic Exchange (CX)

Yahoo group: glowbugradio
Date: 2013-01-08 02:05:26 UTC
From: J.D. MacAulay, WQ8U
Topic: 1439 Message: 1439

The Classic Exchange (CX) will be coming up the end of this month. It is time to get those boat anchors up and checked out. Harvey Wells transmitters and receiver are the bonus equipment this CX.

See the CX website for details. www.classicexchange.org
While there be sure to enjoy the reports and pictures from the last CX in the September 2012 CX Newsletter.
Mac
WQ8U
Hillsborough, NCMac

WQ8U

Hillsborough, NC

1440. A question on receiver design...

Yahoo group: glowbugradio
Date: 2013-01-24 19:53:57 UTC
From: Kenneth G. Gordon
Topic: 1440 Message: 1440

I am working with a couple of receivers here which have a somewhat unusual (to my mind) way of connecting the suppressor grids in the RF and IF amps: the suppressor grids are connected externally to the cathodes rather than directly to ground.

This means that since there are cathode-biasing resistors AND a gain control between the cathodes and ground, the suppressor grids are at the same none-zero voltage as the cathodes.

I cannot find anything in Terman's that addresses this, and am wondering of anyone here knows why this was done, if there is some advantage or disadvantage to doing this, and whether connecting the suppressors directly to ground would be better.

Anyone?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1441. Another question...

Yahoo group: glowbugradio
Date: 2013-01-24 20:09:46 UTC
From: Kenneth G. Gordon
Topic: 1441 Message: 1441

I have found an article in QST written by Lew McCoy back in 1960 entitled, "A Poor Man's Q Multiplier". In that article, he adds regeneration to the 80 meter BC-454's SECOND IF stage (not the first IF) to enhance the receiver's selectivity.

It had always made sense to me that any enhancement to selectivity should be done as close to the mixer as possible, i.e., to the FIRST IF stage.

Can anyone suggest why Lew would choose the 2nd IF instead of the 1st?

The only thing that I suspect might be a reason is that the 2nd IF stage in the BC-454 is not connected to the gain-control line, while the 1st IF stage is so connected.

Anyone?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1442. Re: [glowbugradio] A question on receiver design...

Yahoo group: glowbugradio
Date: 2013-01-24 22:52:51 UTC
From: Carl
Topic: 1440 Message: 1442

I am working with a couple of receivers here which have a somewhat unusual (to my mind) way of connecting the suppressor grids in the RF and IF amps: the suppressor grids are connected externally to the cathodes rather than directly to ground.

This means that since there are cathode-biasing resistors AND a gain control between the cathodes and ground, the suppressor grids are at the same none-zero voltage as the cathodes.

I cannot find anything in Terman's that addresses this, and am wondering of anyone here knows why this was done, if there is some advantage or disadvantage to doing this, and whether connecting the suppressors directly to ground would be better.

Anyone?

Kenneth G. Gordon W7EKB

** Is the cathode resistor bypassed?

Carl

1443. Re: [glowbugradio] A question on receiver design...

Yahoo group: glowbugradio
Date: 2013-01-25 01:44:39 UTC
From: mac
Topic: 1440 Message: 1443

Ken, et-al,

Presume we're talking about voltage amplifiers here.

Grounding the suppressor grid in an amplifier stage that is getting control-grid bias my means of a cathode resistor would have the effect of also applying a negative bias to the suppressor grid. Which, in turn, would affect the formation of the "virtual cathode" effect characteristic of screen grid tubes. To find out more than you ever wanted to know about virtual cathodes and such go back and read the vacuum tube theory chapters in Terman and other texts. Practically, the effect would be a reduction in gain of the amplifier stage, probably slight in most cases.

In browsing through Terman, ARRL, Radiotron Designers Handbook, my Sylvania Vacuum Tube manual and other references and schematics it appears that connecting the SG to the cathode is/was an almost universal practice. Many pentodes, in fact, have the cathode and SG tied together internally.

Dennis D. W7QHO
Glendale, CA

****
On Jan 24, 2013, at 11:53 AM, Kenneth G. Gordon wrote:

> I am working with a couple of receivers here which have a somewhat
> unusual (to my mind) way of connecting the suppressor grids in the
> RF and
> IF amps: the suppressor grids are connected externally to the cathodes
> rather than directly to ground.
>
> This means that since there are cathode-biasing resistors AND a gain
> control
> between the cathodes and ground, the suppressor grids are at the same
> none-zero voltage as the cathodes.
>
> I cannot find anything in Terman's that addresses this, and am
> wondering of
> anyone here knows why this was done, if there is some advantage or
> disadvantage to doing this, and whether connecting the suppressors
> directly
> to ground would be better.
>
> Anyone?
>

> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John
> Wayne
>
>

1444. Re: [glowbugradio] A question on receiver design...

Yahoo group: glowbugradio
Date: 2013-01-25 01:45:14 UTC
From: Kenneth G. Gordon
Topic: 1440 Message: 1444

On 24 Jan 2013 at 17:52, Carl wrote:

>
> I cannot find anything in Terman's that addresses this, and am
> wondering of anyone here knows why this was done, if there is some
> advantage or disadvantage to doing this, and whether connecting the
> suppressors directly to ground would be better.
>
> Anyone?
>
> Kenneth G. Gordon W7EKB
>
> ** Is the cathode resistor bypassed?

The cathode is bypassed to ground with a 0.05 MFD cap at the base pin.

That would take care of RF, but I was wondering about the DC levels.

Ken W7EKB

1445. Re: [glowbugradio] A question on receiver design..

Yahoo group: glowbugradio
Date: 2013-01-25 01:57:23 UTC
From: mac
Topic: 1445 Message: 1445

Ken, et-al,

Got to typing too fast on my last. :^(See revised text below...

Presume we're talking about voltage amplifiers here.

Grounding the suppressor grid in an amplifier stage that is getting control-grid bias my means of a cathode resistor would have the effect of also applying a negative bias to the suppressor grid. Which, in turn, would affect the formation of the "virtual cathode" effect characteristic of PENTODE tubes. To find out more than you ever wanted to know about virtual cathodes and such go back and read the vacuum tube theory chapters in Terman and other texts. Practically, the effect would be a reduction in gain of the amplifier stage, probably slight in most cases.

In browsing through Terman, ARRL, Radiotron Designers Handbook, my Sylvania Vacuum Tube manual and other references and schematics it appears that connecting the SUPPRESSOR GRID to the cathode is/was an almost universal practice. Many pentodes, in fact, have t he cathode and SUPPRESSOR GRID tied together internally.

Dennis D. W7QHO
Glendale, CA

****

1446. Re: [glowbugradio] A question on receiver design...

Yahoo group: glowbugradio
Date: 2013-01-25 02:48:12 UTC
From: Carl
Topic: 1440 Message: 1446

----- Original Message -----
From: Kenneth G. Gordon
To: Carl ; glowbugradio@yahoogroups.com
Sent: Thursday, January 24, 2013 8:45 PM
Subject: Re: [glowbugradio] A question on receiver design...

On 24 Jan 2013 at 17:52, Carl wrote:

>
> I cannot find anything in Terman's that addresses this, and am
> wondering of anyone here knows why this was done, if there is some
> advantage or disadvantage to doing this, and whether connecting the
> suppressors directly to ground would be better.
>
> Anyone?
>
> Kenneth G. Gordon W7EKB
>
> ** Is the cathode resistor bypassed?

The cathode is bypassed to ground with a 0.05 MFD cap at the base pin.

That would take care of RF, but I was wondering about the DC levels.

Ken W7EKB

Interesting as that is not the way Ive seen it done in other radios.

The usual reason for wiring the suppressor grid that way in a remote cut off
pentode is to decrease the necessary AVC voltage slightly to cut off the
tube by leaving off the bypass and getting degenerative feedback.
I'll have to dig out Radiotron 4th tomorrow and look at the alternatives
with the bypass in place.

Off to bed while the temp drops below zero and the wind is up(-; This week
is going to burn a lot of that global warming #2 fuel oil!

Carl
KM1H

1447. Re: [glowbugradio] Another question...

Yahoo group: glowbugradio
Date: 2013-01-25 04:43:30 UTC
From: mac
Topic: 1441 Message: 1447

Makes sense to me, otherwise the regeneration level would change
depending on the setting of the gain control.

Dennis D. W7QHO
Glendale, CA

****
On Jan 24, 2013, at 12:09 PM, Kenneth G. Gordon wrote:

> The only thing that I suspect might be a reason is that the 2nd IF
> stage in the
> BC-454 is not connected to the gain-control line, while the 1st IF
> stage is so
> connected.

1448. Suppressor grids and pentodes.

Yahoo group: glowbugradio
Date: 2013-01-31 17:35:09 UTC
From: Kenneth G. Gordon
Topic: 1448 Message: 1448

Yesterday, while searching for more information on simple diode-based noise-limiters, I found a PDF copy of a long article that was originally printed in 73 magazine concerning using diodes.

One very short section of this article had this to say, "If the suppressor grid in a high-gain pentode is ungrounded, the tube will oscillate..."

Then there was shown a very simple method, using a single diode and variable bias for it, to make any high-gain pentode IF stage regenerative by raising the suppressor grid above ground in a controlled manner without having to add a grid-to-plate capacitor to "enhance" oscillation.

I inferred from this that raising the suppressor grid above ground would enhance the gain of an IF stage, not reduce it as some have suggested.

Perhaps this is one reason this was done in the case of the ARC-5 receivers, as I have questioned earlier?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1449. Re: [glowbugradio] Suppressor grids and pentodes.

Yahoo group: glowbugradio
Date: 2013-01-31 18:33:50 UTC
From: mac
Topic: 1448 Message: 1449

Ken,

Presume the authors meant "will oscillate" if left ungrounded and floating for both DC and RF? Then I guess they applied a controlled positive bias to it and got a controlled regeneration characteristic? Suppressor bypassed to ground for RF in this lash-up? What was the diode for? Can you publish the circuit....

Dennis D. W7QHO
Glendale, CA

****
On Jan 31, 2013, at 9:35 AM, Kenneth G. Gordon wrote:

> Yesterday, while searching for more information on simple diode-based
> noise-limiters, I found a PDF copy of a long article that was
> originally printed
> in 73 magazine concerning using diodes.
>
> One very short section of this article had this to say, "If the
> suppressor grid in
> a high-gain pentode is ungrounded, the tube will oscillate..."
>
> Then there was shown a very simple method, using a single diode and
> variable bias for it, to make any high-gain pentode IF stage
> regenerative by
> raising the suppressor grid above ground in a controlled manner
> without
> having to add a grid-to-plate capacitor to "enhance" oscillation.
>
> I inferred from this that raising the suppressor grid above ground
> would
> enhance the gain of an IF stage, not reduce it as some have suggested.
>
> Perhaps this is one reason this was done in the case of the ARC-5
> receivers,
> as I have questioned earlier?
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John
> Wayne
>
>

1450. Re: [glowbugradio] Suppressor grids and pentodes.

Yahoo group: glowbugradio
Date: 2013-01-31 21:50:41 UTC
From: Theosleaper
Topic: 1448 Message: 1450

Ken,

Your question is right up the alley for the guys on the regenrx group:

http://groups.yahoo.com/group/regenrx/

Perhaps join and ask them?

Rick, K1WYH

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <Glowbugradio@yahoogroups.com>
Sent: Thursday, January 31, 2013 12:35 PM
Subject: [glowbugradio] Suppressor grids and pentodes.

> Yesterday, while searching for more information on simple diode-based
> noise-limiters, I found a PDF copy of a long article that was originally
> printed
> in 73 magazine concerning using diodes.
>
> One very short section of this article had this to say, "If the suppressor
> grid in
> a high-gain pentode is ungrounded, the tube will oscillate..."
>
> Then there was shown a very simple method, using a single diode and
> variable bias for it, to make any high-gain pentode IF stage regenerative
> by
> raising the suppressor grid above ground in a controlled manner without
> having to add a grid-to-plate capacitor to "enhance" oscillation.
>
> I inferred from this that raising the suppressor grid above ground would
> enhance the gain of an IF stage, not reduce it as some have suggested.
>
> Perhaps this is one reason this was done in the case of the ARC-5
> receivers,
> as I have questioned earlier?
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>
> ------------------------------------
>

> Yahoo! Groups Links
>
>
>

1451. Re: [glowbugradio] Suppressor grids and pentodes.

Yahoo group: glowbugradio
Date: 2013-01-31 21:53:24 UTC
From: Kenneth G. Gordon
Topic: 1448 Message: 1451

On 31 Jan 2013 at 16:50, Theosleaper wrote:

> Ken,
>
> Your question is right up the alley for the guys on the regenrx group:
>
> http://groups.yahoo.com/group/regenrx/
>
>
> Perhaps join and ask them?
>
> Rick, K1WYH

Thanks for the suggestion, Rick, but as it is, I have WAAAAAY too much e-mail hitting my inbox every day. I really need to cut down on the number of lists I subscribe to, not add another one at this point.

I'll think about it, though.

vy 73,

Ken W7EKB

1452. Need An Electric Radio Article

Yahoo group: glowbugradio
Date: 2013-02-02 19:38:39 UTC
From: Joe
Topic: 1452 Message: 1452

Hi Guys,
I am looking for a scan of a May 2006 Electric Radio article regarding a National NC-98. Can anyone can and send me copy? Oh and if you have the two tuning knobs for an NC-98/88, I'd like to hear from you too.
Joe N9JCQ

1453. Re: [glowbugradio] Need An Electric Radio Article

Yahoo group: glowbugradio
Date: 2013-02-02 20:41:17 UTC
From: mac
Topic: 1452 Message: 1453

Joe,

Nothing on the NC-98 in the May 2006 ER (#204). Different date maybe?

Dennis D. W7QHO
Glendale, CA

On Feb 2, 2013, at 11:38 AM, Joe wrote:

> Hi Guys,
> I am looking for a scan of a May 2006 Electric Radio article
> regarding a National NC-98. Can anyone can and send me copy? Oh and
> if you have the two tuning knobs for an NC-98/88, I'd like to hear
> from you too.
> Joe N9JCQ
>
>

1454. Re: [glowbugradio] Need An Electric Radio Article

Yahoo group: glowbugradio
Date: 2013-02-02 21:39:07 UTC
From: N9JCQ@...
Topic: 1452 Message: 1454

Dennis,
I swear I searched N7OO's ER directory and that is what came up.. I'll check when I get home.

-----Original Message-----
From: mac <w7qho@...>
To: Joe <N9JCQ@...>
Cc: glowbugradio <glowbugradio@yahoogroups.com>
Sent: Sat, Feb 2, 2013 2:41 pm
Subject: Re: [glowbugradio] Need An Electric Radio Article

Joe,

Nothing on the NC-98 in the May 2006 ER (#204). Different date maybe?

Dennis D. W7QHO
Glendale, CA

On Feb 2, 2013, at 11:38 AM, Joe wrote:

Hi Guys,
I am looking for a scan of a May 2006 Electric Radio article regarding a National NC-98. Can anyone can and send me copy? Oh and if you have the two tuning knobs for an NC-98/88, I'd like to hear from you too.
Joe N9JCQ

1455. Hi

Yahoo group: glowbugradio
Date: 2013-02-07 11:19:28 UTC
From: astro boy
Topic: 1455 Message: 1455

Hello http://www.brrmindia.com/spiwj/rgxnwp.png

astro boy
2/7/2013 12:19:27 PM

1456. Tek part wanted and solder

Yahoo group: glowbugradio
Date: 2013-02-07 19:29:03 UTC
From: Kenneth G. Gordon
Topic: 1456 Message: 1456

I have a Tektronix model 130 LC meter here, that, although it is not presently working, I would like to get working and use.

However, the meter's case has been damaged.

The meter still works, but the outer plastic "cover" has a large hole in the top.

I would like to replace this meter, if one is available from anyone here.

Might anyone have one they would part with?

Also, does anyone know where one can still get that silver-bearing solder that Tek says to use with their ceramic terminal strips?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1457. Re: [glowbugradio] Tek part wanted and solder

Yahoo group: glowbugradio
Date: 2013-02-07 19:37:35 UTC
From: Garey Barrell
Topic: 1456 Message: 1457

Ken -

Last time I was in Radio Shack they still had the silver bearing solder. I believe it's 3% silver
and I think that's what the TEK stuff was too.

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

Kenneth G. Gordon wrote:
>
> Also, does anyone know where one can still get that silver-bearing solder
> that Tek says to use with their ceramic terminal strips?
>
>

1458. Re: [glowbugradio] Tek part wanted and solder

Yahoo group: glowbugradio
Date: 2013-02-07 20:06:53 UTC
From: David C. Hallam
Topic: 1456 Message: 1458

A company called Qualitek makes a 62/35/2 Pb/Sn/Ag solder. I have seen it listed on eBay.

David
KW4DH

On 2/7/2013 2:29 PM, Kenneth G. Gordon wrote:

I have a Tektronix model 130 LC meter here, that, although it is not presently working, I would like to get working and use.

However, the meter's case has been damaged.

The meter still works, but the outer plastic "cover" has a large hole in the top.

I would like to replace this meter, if one is available from anyone here.

Might anyone have one they would part with?

Also, does anyone know where one can still get that silver-bearing solder that Tek says to use with their ceramic terminal strips?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

--
Before I came here I was confused about this subject. Having listened to your lecture I am still confused. But on a higher level.
Enrico Fermi

1459. Coils

Yahoo group: glowbugradio
Date: 2013-02-08 04:17:46 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1459

OK. So I have restored a hacked BC-454 that someone a long time ago modified to tune the 10 meter band, 28 - 30 MHz.

The HFO coil was rewound, loosely, with a coil-spring of #20 sold enameled wire on the original 5/8" diameter ceramic form.

I re-rewound it as tightly as I could, then glued it down with SuperGlue because before that, if
you breathed heavily when walking past the receiver it would wobble off frequency.

Now it only wobbles off frequency if you step heavily on the floor within 10 feet of it.

I had been thinking of covering the coil in a thick layer of epoxy glue, or concrete, or plaster-
of-Paris, or fiberglass, or something, to dampen out the vibrations of the wire.

Anyone have any better suggestions?

I do have some homemade coil-dope made by dissolving 16 ea 12 oz sized foam cups in 1/2 cup of MEK. Would a 1/2 inch thick layer of that stuff do the trick?

Ken W7EKB

1460. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 04:31:58 UTC
From: cybercat
Topic: 1459 Message: 1460

model airplane cement?
clear nail polish?

- bill H. / va3hwa

Kenneth G. Gordon wrote:

>
>
> OK. So I have restored a hacked BC-454 that someone a long time ago
> modified to tune the
> 10 meter band, 28 - 30 MHz.
>
> The HFO coil was rewound, loosely, with a coil-spring of #20 sold
> enameled wire on the
> original 5/8" diameter ceramic form.
>
> I re-rewound it as tightly as I could, then glued it down with
> SuperGlue because before that, if
> you breathed heavily when walking past the receiver it would wobble
> off frequency.
>
> Now it only wobbles off frequency if you step heavily on the floor
> within 10 feet of it.
>
> I had been thinking of covering the coil in a thick layer of epoxy
> glue, or concrete, or plaster-
> of-Paris, or fiberglass, or something, to dampen out the vibrations of
> the wire.
>
> Anyone have any better suggestions?
>
> I do have some homemade coil-dope made by dissolving 16 ea 12 oz sized
> foam cups in 1/2
> cup of MEK. Would a 1/2 inch thick layer of that stuff do the trick?
>
> Ken W7EKB
>
>

1461. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 05:49:51 UTC
From: Bob Macklin
Topic: 1459 Message: 1461

Clear lacquer, I.E clear model airplane dope.

Nail polish is lacquer with banana oil for flexibility.

When I was in the disk drive business we dipped the actuator coils in clear dope to dampen the vibrations.

I assume the coils are vack in their original cans. Get some of the styrafoam mix stuff and pour it in the cans and let it expand. You can pick it out later for repairs.

We used this process when we built magnetometer current sources for the USN many years ago. It also helps stabilize the temperature.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: cybercat
To: glowbugradio@yahoogroups.com
Sent: Thursday, February 07, 2013 8:31 PM
Subject: Re: [glowbugradio] Coils

model airplane cement?
clear nail polish?

- bill H. / va3hwa

Kenneth G. Gordon wrote:

OK. So I have restored a hacked BC-454 that someone a long time ago modified to tune the 10 meter band, 28 - 30 MHz.

The HFO coil was rewound, loosely, with a coil-spring of #20 sold enameled wire on the original 5/8" diameter ceramic form.

I re-rewound it as tightly as I could, then glued it down with SuperGlue because before that, if
you breathed heavily when walking past the receiver it would wobble off frequency.

Now it only wobbles off frequency if you step heavily on the floor within 10 feet of it.

I had been thinking of covering the coil in a thick layer of epoxy glue, or concrete, or plaster-
of-Paris, or fiberglass, or something, to dampen out the vibrations of the wire.

Anyone have any better suggestions?

I do have some homemade coil-dope made by dissolving 16 ea 12 oz sized foam cups in 1/2 cup of MEK. Would a 1/2 inch thick layer of that stuff do the trick?

Ken W7EKB

1462. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 06:23:42 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1462

On 7 Feb 2013 at 21:49, Bob Macklin wrote:

> Clear lacquer, I.E clear model airplane dope.

I have a spray can of clear lacquer, that might work.

>
> Nail polish is lacquer with banana oil for flexibility.
>
> When I was in the disk drive business we dipped the actuator coils in
> clear dope to dampen the vibrations.
>
> I assume the coils are back in their original cans.

Yes.

> Get some of the
> styrafoam mix stuff and pour it in the cans and let it expand. You can
> pick it out later for repairs.

I had thought of doing that, but since I haven't done it before, I thought I should ask those who have.

When I made the stuff, I managed to get 16 of those 12 oz sized styrofoam cups in less than 1/2 cup of MEK. I think I could possibly have gotten two more cups in there, but it would have taken a couple of days for them to totally dissolve, I suppose. As it is, it is about as thick as warm honey now and clear. It'll probably work. I'll go ahead and use it.

> We used this process when we built magnetometer current sources for
> the USN many years ago. It also helps stabilize the temperature.

Sounds good to me. I'll do it.

Thanks, Bob.

Ken W7EKB

1463. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 11:36:56 UTC
From: Jim
Topic: 1459 Message: 1463

The home-made Q dope is a good place to start. But you might also look for other reasons for the vibration being transmitted, like a poorly mounted transformer, or something else that'll pass the vibration. ARC-5 and similar gear really isn't known for having microphonics issues -- they were designed for aircraft and small marine craft applications.

Maybe put some soft cushiony feet on the BC-454? Maybe see whether the table it's on is wobbly? Perhaps you could test that by setting it on another surface, with a folded bath towel under it.

73
Jim N6OTQ

>_____
> From: cybercat <cybercat@...>
>To: glowbugradio@yahoogroups.com
>Sent: Thursday, February 7, 2013 10:31 PM
>Subject: Re: [glowbugradio] Coils
>
>
>model airplane cement?
>clear nail polish?
>
> - bill H. / va3hwa
>
>Kenneth G. Gordon wrote:
>
>>OK. So I have restored a hacked BC-454 that someone a long time
ago modified to tune the
>>10 meter band, 28 - 30 MHz.
>>
>>The HFO coil was rewound, loosely, with a coil-spring of #20 sold
enameled wire on the
>>original 5/8" diameter ceramic form.
>>
>>I re-rewound it as tightly as I could, then glued it down with
SuperGlue because before that, if
>>you breathed heavily when walking past the receiver it would wobble off
frequency.
>>
>>Now it only wobbles off frequency if you step heavily on the floor
within 10 feet of it.

1464. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 14:41:06 UTC
From: Garey Barrell
Topic: 1459 Message: 1464

Ken -

I have had good luck putting a string of hot-melt glue along the length of the coil, and then
playing a heat gun over it. The glue melts, wicks around, and coats each wire to the form. Makes
a really solid coil. I thought briefly of loss characteristics, but the layer is so thin I just
forgot about it.

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

Kenneth G. Gordon wrote:
> OK. So I have restored a hacked BC-454 that someone a long time ago modified to tune the
> 10 meter band, 28 - 30 MHz.
>
> The HFO coil was rewound, loosely, with a coil-spring of #20 sold enameled wire on the
> original 5/8" diameter ceramic form.
>
> I re-rewound it as tightly as I could, then glued it down with SuperGlue because before
that, if
> you breathed heavily when walking past the receiver it would wobble off frequency.
>
> Now it only wobbles off frequency if you step heavily on the floor within 10 feet of it.
>
> I had been thinking of covering the coil in a thick layer of epoxy glue, or concrete, or
plaster-
> of-Paris, or fiberglass, or something, to dampen out the vibrations of the wire.
>
> Anyone have any better suggestions?
>
> I do have some homemade coil-dope made by dissolving 16 ea 12 oz sized foam cups in 1/2
> cup of MEK. Would a 1/2 inch thick layer of that stuff do the trick?
>
> Ken W7EKB
>

1465. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 16:31:53 UTC
From: Jim
Topic: 1459 Message: 1465

Hi

I recall seeing an investigation of the effects of various substances used to secure coil windings. It was on somebody's web page -- m ight be google-able.

Anyway, the upshot was that there was not a significant difference between coatings.
 However, some were better than others.

But I'm not sure that this issue is caused ONLY by the coil. I'd look for something else that's loose, before blaming the coil.

73
Jim N6OTQ

>_____
> From: Garey Barrell <k4oah@...>
>To: glowbugradio@yahoogroups.com
>Sent: Friday, February 8, 2013 8:41 AM
>Subject: Re: [glowbugradio] Coils
>
>Ken -
>
>I have had good luck putting a string of hot-melt glue along the length of the coil, and then
>playing a heat gun over it. The glue melts, wicks around, and coats each wire to the form. Makes
>a really solid coil. I thought briefly of loss characteristics, but the layer is so thin I just
>forgot about it.
>
>73, Garey - K4OAH
>Glen Allen, VA
>

1466. Re: [glowbugradio] Tek part wanted and solder

Yahoo group: glowbugradio
Date: 2013-02-08 16:36:41 UTC
From: Rod Hogg
Topic: 1456 Message: 1466

Silver-bearing solder.....RadioShack <64-013>, 62/36/2 in 1.5oz rolls.
Last checked- $7.49

Rod
KØEQH

--- On Thu, 2/7/13, Kenneth G. Gordon <kgordon2006@...> wrote:

From: Kenneth G. Gordon <kgordon2006@...>
Subject: [glowbugradio] Tek part wanted and solder
To: Glowbugradio@yahoogroups.com
Date: Thursday, February 7, 2013, 1:29 PM

I have a Tektronix model 130 LC meter here, that, although it is not presently working, I would like to get working and use.

However, the meter's case has been damaged.

The meter still works, but the outer plastic "cover" has a large hole in the top.

I would like to replace this meter, if one is available from anyone here.

Might anyone have one they would part with?

Also, does anyone know where one can still get that silver-bearing solder that Tek says to use with their ceramic terminal strips?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1467. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 16:44:04 UTC
From: Carl
Topic: 1459 Message: 1467

Id also suggest the largest tinned wire size that will fit and give the same tuning range.

Carl
KM1H

----- Original Message -----
From: Garey Barrell
To: glowbugradio@yahoogroups.com
Sent: Friday, February 08, 2013 9:41 AM
Subject: Re: [glowbugradio] Coils

Ken -

I have had good luck putting a string of hot-melt glue along the length of the coil, and then
playing a heat gun over it. The glue melts, wicks around, and coats each wire to the form. Makes
a really solid coil. I thought briefly of loss characteristics, but the layer is so thin I just
forgot about it.

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs

Kenneth G. Gordon wrote:
> OK. So I have restored a hacked BC-454 that someone a long time ago
> modified to tune the
> 10 meter band, 28 - 30 MHz.
>
> The HFO coil was rewound, loosely, with a coil-spring of #20 sold enameled
> wire on the
> original 5/8" diameter ceramic form.
>
> I re-rewound it as tightly as I could, then glued it down with SuperGlue
> because before that, if
> you breathed heavily when walking past the receiver it would wobble off
> frequency.
>
> Now it only wobbles off frequency if you step heavily on the floor within
> 10 feet of it.
>
> I had been thinking of covering the coil in a thick layer of epoxy glue,
> or concrete, or plaster-

> of-Paris, or fiberglass, or something, to dampen out the vibrations of the
> wire.
>
> Anyone have any better suggestions?
>
> I do have some homemade coil-dope made by dissolving 16 ea 12 oz sized
> foam cups in 1/2
> cup of MEK. Would a 1/2 inch thick layer of that stuff do the trick?
>
> Ken W7EKB
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5588 - Release Date: 02/07/13

1468. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 17:42:48 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1468

On 8 Feb 2013 at 11:44, Carl wrote:

> Id also suggest the largest tinned wire size that will fit and give
> the same tuning range.

Well, anything much bigger than I am using hurts my fingers when I wind it.

Ken W7EKB

1469. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 17:54:26 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1469

On 8 Feb 2013 at 8:31, Jim wrote:

> Hi
>
> I recall seeing an investigation of the effects of various substances
> used to secure coil windings. It was on somebody's web page -- might
> be google-able.

OK. I'll look for it. It sounds interesting.

> Anyway, the upshot was that there was not a significant difference
> between coatings. However, some were better than others.
>
> But I'm not sure that this issue is caused ONLY by the coil. I'd look
> for something else that's loose, before blaming the coil.
>
> 73
> Jim N6OTQ

I had wondered about that last too, but, so far, haven't found anything else that could cause the problem. Tapping on the case, or moving the radio around causes "ringing", even the speaker sitting anywhere near the radio with the volume up causes ringing to start and get louder. I have looked very closely at everything that could possibly be loose and have found nothing.

The only thing I have not tried to do anything about is that single-plate in the tuning cap....I suppose it COULD be vibrating....

Since I rewound the HFO coil, the ringing doesn't start as easily and isn't quite as loud, but it is still there.

If the BFO is on, one can hear practically every movement that is made in the entire shack. When the milk-house heater I have in the shack kicks on, the frequency jumps a bit, and then jumps again when the heater kicks off.

This lack of stability is NOT typical of ARC-5 receivers in my experience. They are usually far, far more stable than this.

I am not pleased.

Ken W7EKB

1470. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 17:57:37 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1470

On 8 Feb 2013 at 9:41, Garey Barrell wrote:

> Ken -
>
> I have had good luck putting a string of hot-melt glue along the
> length of the coil, and then playing a heat gun over it. The glue
> melts, wicks around, and coats each wire to the form. Makes a really
> solid coil. I thought briefly of loss characteristics, but the layer
> is so thin I just forgot about it.
>
> 73, Garey - K4OAH
> Glen Allen, VA

Thanks, Garey. I began by gluing the coil turns in place with SuperGlue. I am continuing with lacquer and will test between each application of "stuff". So far, no joy. I'll try the hotmelt glue sometime too.

Ken W7EKB

1471. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 18:39:21 UTC
From: Garey Barrell
Topic: 1459 Message: 1471

Kenneth G. Gordon wrote:
> On 8 Feb 2013 at 9:41, Garey Barrell wrote:
>
>> Ken -
>>
>> I have had good luck putting a string of hot-melt glue along the
>> length of the coil, and then playing a heat gun over it. The glue
>> melts, wicks around, and coats each wire to the form. Makes a really
>> solid coil. I thought briefly of loss characteristics, but the layer
>> is so thin I just forgot about it.
>>
>> 73, Garey - K4OAH
>> Glen Allen, VA
> Thanks, Garey. I began by gluing the coil turns in place with SuperGlue. I am
> continuing with lacquer and will test between each application of "stuff". So
> far, no joy. I'll try the hotmelt glue sometime too.
>
> Ken -

That's the beauty of the hot melt. It gets 'water thin' and just flows over around and under each
wire. Makes a VERY solid coil.

Keep us posted on your test!

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

>

1472. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 22:22:45 UTC
From: Carl
Topic: 1459 Message: 1472

My only concern with coatings is the long term dielectric effect.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Friday, February 08, 2013 12:54 PM
Subject: Re: [glowbugradio] Coils

On 8 Feb 2013 at 8:31, Jim wrote:

> Hi
>
> I recall seeing an investigation of the effects of various substances
> used to secure coil windings. It was on somebody's web page -- might
> be google-able.

OK. I'll look for it. It sounds interesting.

> Anyway, the upshot was that there was not a significant difference
> between coatings. However, some were better than others.
>
> But I'm not sure that this issue is caused ONLY by the coil. I'd look
> for something else that's loose, before blaming the coil.
>
> 73
> Jim N6OTQ

I had wondered about that last too, but, so far, haven't found anything else that could cause the problem. Tapping on the case, or moving the radio around causes "ringing", even the speaker sitting anywhere near the radio with the volume up causes ringing to start and get louder. I have looked very
closely at everything that could possibly be loose and have found nothing.

The only thing I have not tried to do anything about is that single-plate in the
tuning cap....I suppose it COULD be vibrating....

Since I rewound the HFO coil, the ringing doesn't start as easily and isn't quite as loud, but it is still there.

If the BFO is on, one can hear practically every movement that is made in the entire shack. When the milk-house heater I have in the shack kicks on, the frequency jumps a bit, and then jumps again when the heater kicks off.

This lack of stability is NOT typical of ARC-5 receivers in my experience.
They are usually far, far more stable than this.

I am not pleased.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5588 - Release Date: 02/07/13

1473. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 22:37:08 UTC
From: Jim
Topic: 1459 Message: 1473

That's one reason Q dope is good. Styrene stays put for half a century.

I don't think the problem here is the coil, since ARC-5 stuff isn't prone to microphonics. If it's not the coil, and not the capacitor across it ... maybe a fractured plate on a tube?

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73
Jim N6OTQ

>_____
> From: Carl <km1h@...>
>To: glowbugradio@yahoogroups.com
>Sent: Friday, February 8, 2013 4:22 PM
>Subject: Re: [glowbugradio] Coils
>
>My only concern with coatings is the long term dielectric effect.
>
>Carl
>KM1H
>
>
>----- Original Message -----
>From: Kenneth G. Gordon
>To: Glowbugradio@yahoogroups.com
>Sent: Friday, February 08, 2013 12:54 PM
>Subject: Re: [glowbugradio] Coils
>
>
>
>On 8 Feb 2013 at 8:31, Jim wrote:
>
>> Hi
>>
>> I recall seeing an investigation of the effects of various substances
>> used to secure coil windings. It was on somebody's web page -- might
>> be google-able.
>
>OK. I'll look for it. It sounds interesting.
>
>> Anyway, the upshot was that there was not a significant difference
>> between coatings. However, some were better than others.

>>
>> But I'm not sure that this issue is caused ONLY by the coil. I'd look
>> for something else that's loose, before blaming the coil.
>>
>> 73
>> Jim N6OTQ
>
>I had wondered about that last too, but, so far, haven't found anything else
>that could cause the problem. Tapping on the case, or moving the radio
>around causes "ringing", even the speaker sitting anywhere near the radio
>with the volume up causes ringing to start and get louder. I have looked
>very
>closely at everything that could possibly be loose and have found nothing.
>
>The only thing I have not tried to do anything about is that single-plate in
>the
>tuning cap....I suppose it COULD be vibrating....
>
>Since I rewound the HFO coil, the ringing doesn't start as easily and isn't
>quite as loud, but it is still there.
>
>If the BFO is on, one can hear practically every movement that is made in
>the entire shack. When the milk-house heater I have in the shack kicks on,
>the frequency jumps a bit, and then jumps again when the heater kicks off.
>
>This lack of stability is NOT typical of ARC-5 receivers in my experience.
>They are usually far, far more stable than this.
>
>I am not pleased.
>
>Ken W7EKB
>
>
>
>
>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 10.0.1430 / Virus Database: 2639/5588 - Release Date: 02/07/13
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>Yahoo! Groups Links
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>

1474. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 22:52:44 UTC
From: Carl
Topic: 1459 Message: 1474

Its a radio that is being used at many times its design frequency so no guarantees on any of the components 70 yeras later.

Carl

----- Original Message -----
From: Jim
To: glowbugradio@yahoogroups.com
Sent: Friday, February 08, 2013 5:37 PM
Subject: Re: [glowbugradio] Coils

That's one reason Q dope is good. Styrene stays put for half a century.

I don't think the problem here is the coil, since ARC-5 stuff isn't prone to microphonics. If it's not the coil, and not the capacitor across it ... maybe a fractured plate on a tube?

Everybody dig out your thinking cap and put it on ... and if you EVER had a first-grade teacher who made you "tie on your thinking cap" I sympathize, and apologize on behalf of real educators. I had one of those who'd go around with a ruler and whack anybody she saw not tying on their thinking cap.

73
Jim N6OTQ

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Friday, February 8, 2013 4:22 PM
Subject: Re: [glowbugradio] Coils

My only concern with coatings is the long term dielectric effect.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Friday, February 08, 2013 12:54 PM
Subject: Re: [glowbugradio] Coils

On 8 Feb 2013 at 8:31, Jim wrote:

> Hi
>
> I recall seeing an investigation of the effects of various substances
> used to secure coil windings. It was on somebody's web page -- might

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> Anyway, the upshot was that there was not a significant difference
> between coatings. However, some were better than others.
>
> But I'm not sure that this issue is caused ONLY by the coil. I'd look
> for something else that's loose, before blaming the coil.
>
> 73
> Jim N6OTQ

I had wondered about that last too, but, so far, haven't found anything else that could cause the problem. Tapping on the case, or moving the radio around causes "ringing", even the speaker sitting anywhere near the radio with the volume up causes ringing to start and get louder. I have looked very
closely at everything that could possibly be loose and have found nothing.

The only thing I have not tried to do anything about is that single-plate in the
tuning cap....I suppose it COULD be vibrating....

Since I rewound the HFO coil, the ringing doesn't start as easily and isn't quite as loud, but it is still there.

If the BFO is on, one can hear practically every movement that is made in the entire shack. When the milk-house heater I have in the shack kicks on, the frequency jumps a bit, and then jumps again when the heater kicks off.

This lack of stability is NOT typical of ARC-5 receivers in my experience. They are usually far, far more stable than this.

I am not pleased.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5588 - Release Date: 02/07/13

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5588 - Release Date: 02/07/13

1475. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 23:16:15 UTC
From: Jim
Topic: 1459 Message: 1475

Carl,

That's a good point, but we don't know what the mods were to sneak this rig up to 10M.

If it were at 3 - 6 MC in 1944, and bumped to 28-31 MHz in 2012, we're looking at ... dunno, x9, x10, x11 freq multiplication somewhere.

Even with a 10x multiplier for the microphonics, I just don't think that it'd be that vibration sensitive.

But -- since I've never tried pulling a '454 to 10M, I don't have hands-on experience and I'm basing my guesswork on what I've seen in my brief life as a ham (I'm only QCWA).

Ken, can you tell us what you did to this rig to push it to 10x its original freq? I'm thinking that with more info, the rest of the geniuses here might have a better solution than I do -- right now, I'd start troubleshooting by tapping the eraser end of a #2 pencil on the various components to see where the microphonics may dwell. If it's got basically the original LC in the VFO, plus a new many-x injected osc to get to 10M, I's suspect the higher freq osc first ... unless the FDR-vintage parts have some pieces flapping in the breeze.

73
Jim N6OTQ

>_____
> From: Carl <km1h@...>
>To: glowbugradio@yahoogroups.com
>Sent: Friday, February 8, 2013 4:52 PM
>Subject: Re: [glowbugradio] Coils
>
>
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>
>Its a radio that is being used at many times its
design frequency so no guarantees on any of the components 70 yeras
later.
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>Carl
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>----- Original Message -----
>>From: Jim
>>To: glowbugradio@yahoogroups.com
>>Sent: Friday, February 08, 2013 5:37 PM
>>Subject: Re: [glowbugradio] Coils

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>>
>>That's one reason Q dope is good. Styrene stays put for half a century.
>>
>>
>>I don't think the problem here is the coil, since ARC-5 stuff isn't prone to microphonics. If it's not the coil, and not the capacitor across it ... maybe a fractured plate on a tube?
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>>
>>Everybody dig out your thinking cap and put it on ... and if you EVER had a first-grade teacher who made you "tie on your thinking cap" I sympathize, and apologize on behalf of real educators. I had one of those who'd go around with a ruler and whack anybody she saw not tying on their thinking cap.
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>>73
>>Jim N6OTQ
>>
>>
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>>>_____
>>> From: Carl <km1h@...>
>>>To: glowbugradio@yahoogroups.com
>>>Sent: Friday, February 8, 2013 4:22 PM
>>>Subject: Re: [glowbugradio] Coils
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>>>My only concern with coatings is
the long term dielectric effect.
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>>>Carl
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>>>
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>>>-----
Original Message -----
>>>From: Kenneth G. Gordon
>>>To: Glowbugradio@yahoogroups.com
>>>Sent:
Friday, February 08, 2013 12:54 PM
>>>Subject: Re: [glowbugradio]
Coils
>>>
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>>>On 8 Feb 2013 at 8:31, Jim wrote:
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>>>> used to secure coil windings. It was on
somebody's web page -- might
>>>> be google-able.
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for it. It sounds interesting.
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>>>> Anyway, the upshot was that there
was not a significant difference
>>>> between coatings. However,
some were better than others.
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>>>> But I'm not sure that this
issue is caused ONLY by the coil. I'd look
>>>> for something else
that's loose, before blaming the coil.
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>>>> 73
>>>> Jim
N6OTQ
>>>
>>>I had wondered about that last too, but, so far, haven't found
anything else
>>>that could cause the problem. Tapping on the case, or
moving the radio
>>>around causes "ringing", even the speaker sitting
anywhere near the radio
>>>with the volume up causes ringing to start and
get louder. I have looked
>>>very
>>>closely at everything that could
possibly be loose and have found nothing.
>>>
>>>The only thing I have not
tried to do anything about is that single-plate in
>>>the
>>>tuning
cap....I suppose it COULD be vibrating....
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>>>Since I rewound the HFO
coil, the ringing doesn't start as easily and isn't
>>>quite as loud, but it
is still there.
>>>
>>>If the BFO is on, one can hear practically every
movement that is made in
>>>the entire shack. When the milk-house heater I
have in the shack kicks on,

>>>the frequency jumps a bit, and then jumps
again when the heater kicks off.
>>>
>>>This lack of stability is NOT
typical of ARC-5 receivers in my experience.
>>>They are usually far, far
more stable than this.
>>>
>>>I am not pleased.
>>>
>>>Ken
W7EKB

1476. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 23:48:52 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1476

On 8 Feb 2013 at 15:16, Jim wrote:

> Carl,
>
> That's a good point, but we don't know what the mods were to sneak
> this rig up to 10M.
>
> If it were at 3 - 6 MC in 1944, and bumped to 28-31 MHz in 2012, we're
> looking at ... dunno, x9, x10, x11 freq multiplication somewhere.

Yup.

> Even with a 10x multiplier for the microphonics, I just don't think
> that it'd be that vibration sensitive.

Well, I wouldn't think so either....but...

> But -- since I've never tried pulling a '454 to 10M, I don't have
> hands-on experience and I'm basing my guesswork on what I've seen in
> my brief life as a ham (I'm only QCWA).

Well, so am I... ;-)

>
> Ken, can you tell us what you did to this rig to push it to 10x its
> original freq?

Well, **I** didn't do the original work. What I had planned to do was to simply take the worst-hacked 3 - 6 MHz ARC-5 receiver in my stash and rebuild it for use as an 80 meter receiver.

However, after I got too working on this thing, I discovered that who ever originally hacked it, tried to make a 10 meter receiver out of it, but never finished it.

I then looked up two articles that were printed in those old Surplus Conversion Manuals and/or the book printed by CQ magazine entitled "Command Sets", both of which had two different articles on converting both the transmitters and receivers to 10 meters.

My receiver was originally hacked using a combination of the two articles.

There were two choices of receivers to hack: 1) the 3 - 6 MHz job, or 2) the 7 - 9.1 MHz job. The 80 meter receiver has 1415 Khz IFs, and the original guy chose it for his work, probably to take advantage of the better selectivity.

After replacing ALL of the old can-caps with modern small ceramics, replacing the missing audio output transformer, rewiring the filaments to

series-parallel for 25.2 VAC input, and in general, restoring the more egregious hacks, I was left with the coil box and tuning capacitor changes.

The tuning capacitor had had all but one of the rotor plates yanked out in each section, and all the coils had been ripped out and rewound, very sloppily, with many fewer turns.

The front-panel antenna connector had been replaced with 1) an RCA jack, and 2) a 4 turn loop around the RF amp grid coil.

That section of the mica-insulated coil plugs that contained the two leads to the antenna link had been broken out, so I repaired them with epoxy, and decided to leave the link-coupling in place.

I rewound all the coils according to the data in the better of the two articles I mentioned.

The result was that the RF amp properly peaked with the front panel "Align Input" control about 1/2 open, and I was able to get the HFO to align to cover from 28 through 30 MHz.

Although the original article suggested (once) that the tuning range should be 27 through 30 MHz, with the tuning capacitor hacked as it was, that is not possible: 28 to 30 is it.

The mixer grid coil would not peak at all. I eventually found that it had almost two too few turns, and was tuning from 32 to 37 MHz.

I fixed that yesterday, and now it peaks properly and appears to track the tuning.

When I rewound the coils, I found they had been made of #18 enameled solid wire and were very loosely wound on the original forms.

I redid those with what wire I could find locally: #20 solid enameled wire which I got from the local Michaels.

After winding them as tightly as I could, I then glued them down with SuperGlue.

And that is where I am today.

> I'd suspect the higher freq osc first ...

So do I.

> unless
> the FDR-vintage parts have some pieces flapping in the breeze.

I haven't found any yet, Jim.

What I am going to do is to try to SOLIDLY glue this coil down to see if that makes any difference.

Ken W7EKB

1477. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-08 23:58:57 UTC
From: Jim
Topic: 1459 Message: 1477

Snippage...

Ken,

I'd recommend only that you do something that you can reverse without needing a cutting torch, a chain saw, or blasting caps.

Actually, most of what you said suggests that you're on the right track.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: Glowbugradio@yahoogroups.com
>Sent: Friday, February 8, 2013 5:48 PM
>Subject: Re: [glowbugradio] Coils
>
>
>What I am going to do is to try to SOLIDLY glue this coil down to see if that
>makes any difference.
>
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>

1478. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 00:29:57 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1478

On 8 Feb 2013 at 15:58, Jim wrote:

> Snippage...
>
> Ken,
>
> I'd recommend only that you do something that you can reverse without
> needing a cutting torch, a chain saw, or blasting caps.
>
> Actually, most of what you said suggests that you're on the right
> track.

Thanks, Jim. Stay tuned. If all else fails, I have other coil forms and can start over from scratch...

Ken W7EKB

1479. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 01:03:24 UTC
From: Carl
Topic: 1459 Message: 1479

Only QCWA? Geeez, a coupla virgins raised on SS and 12V (-;
Ive been subscribing to QST for over 55 years and licensed in 55.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Friday, February 08, 2013 6:48 PM
Subject: Re: [glowbugradio] Coils

On 8 Feb 2013 at 15:16, Jim wrote:

> Carl,
>
> That's a good point, but we don't know what the mods were to sneak
> this rig up to 10M.
>
> If it were at 3 - 6 MC in 1944, and bumped to 28-31 MHz in 2012, we're
> looking at ... dunno, x9, x10, x11 freq multiplication somewhere.

Yup.

> Even with a 10x multiplier for the microphonics, I just don't think
> that it'd be that vibration sensitive.

Well, I wouldn't think so either....but...

> But -- since I've never tried pulling a '454 to 10M, I don't have
> hands-on experience and I'm basing my guesswork on what I've seen in
> my brief life as a ham (I'm only QCWA).

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> original freq?

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for use as an 80 meter receiver.

However, after I got too working on this thing, I discovered that who ever
originally hacked it, tried to make a 10 meter receiver out of it, but never
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My receiver was originally hacked using a combination of the two articles.

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- 9.1 MHz job. The 80 meter receiver has 1415 Khz IFs, and the original guy chose it for his work, probably to take advantage of the better selectivity.

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The tuning capacitor had had all but one of the rotor plates yanked out in each section, and all the coils had been ripped out and rewound, very sloppily, with many fewer turns.

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The result was that the RF amp properly peaked with the front panel "Align Input" control about 1/2 open, and I was able to get the HFO to align to cover
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> unless
> the FDR-vintage parts have some pieces flapping in the breeze.

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makes any difference.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5591 - Release Date: 02/08/13

1480. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 01:35:53 UTC
From: Carl
Topic: 1459 Message: 1480

Amber pill bottles have excellent RF properties well beyond 10M. They come
in several lengths and diameters and are usually free if you ask the
pharmacist in case you dont have the right one

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Friday, February 08, 2013 7:29 PM
Subject: Re: [glowbugradio] Coils

On 8 Feb 2013 at 15:58, Jim wrote:

> Snippage...
>
> Ken,
>
> I'd recommend only that you do something that you can reverse without
> needing a cutting torch, a chain saw, or blasting caps.
>
> Actually, most of what you said suggests that you're on the right
> track.

Thanks, Jim. Stay tuned. If all else fails, I have other coil forms and can
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Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5591 - Release Date: 02/08/13

1481. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 02:14:11 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1481

On 8 Feb 2013 at 20:03, Carl wrote:

> Only QCWA? Geeez, a coupla virgins raised on SS and 12V (-;
> Ive been subscribing to QST for over 55 years and licensed in 55.
>
> Carl

Gee, Carl. You were licensed not quite a year before I was: 1956, before April 23, since I was still 13 at the time.

Lessee....Gee!...that was 57 years ago!

Is there such a thing as HCWA?

My, how time's fun when you're having flies. :-)

Ken W7EKB

1482. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 02:44:34 UTC
From: Carl
Topic: 1459 Message: 1482

Ah so, my mistake, I was thinking with my thumb where the sun dont shine on that one (-;

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Friday, February 08, 2013 9:14 PM
Subject: Re: [glowbugradio] Coils

On 8 Feb 2013 at 20:03, Carl wrote:

> Only QCWA? Geeez, a coupla virgins raised on SS and 12V (-;
> Ive been subscribing to QST for over 55 years and licensed in 55.
>
> Carl

Gee, Carl. You were licensed not quite a year before I was: 1956, before April 23, since I was still 13 at the time.

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Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5591 - Release Date: 02/08/13

1483. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 03:35:10 UTC
From: D C _Mac_ Macdonald
Topic: 1459 Message: 1483

HCWA?

Where do I sign up?

1st license on 30 Nov 1953; KN2GKK, Lakewood, NY

73, Mac - K2GKK

Sent from my iPhone

On Feb 8, 2013, at 20:13, "Kenneth G. Gordon" <kgordon2006@frontier.com> wrote:

On 8 Feb 2013 at 20:03, Carl wrote:

> Only QCWA? Geeez, a coupla virgins raised on SS and 12V (-;
> Ive been subscribing to QST for over 55 years and licensed in 55.
>
> Carl

Gee, Carl. You were licensed not quite a year before I was: 1956, before
April 23, since I was still 13 at the time.

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Ken W7EKB

1484. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 04:57:08 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1484

On 8 Feb 2013 at 21:35, D C _Mac_ Macdonald wrote:

> HCWA?
>
> Where do I sign up?
>
> 1st license on 30 Nov 1953; KN2GKK, Lakewood, NY
>
>
> 73, Mac - K2GKK

We MAY have to start our own. I have never seen one....yet.

Ken W7EKB

1485. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 05:03:39 UTC
From: Kenneth G. Gordon
Topic: 1459 Message: 1485

On 8 Feb 2013 at 21:44, Carl wrote:

> Ah so, my mistake, I was thinking with my thumb where the sun dont
> shine on that one (-;

Well, I don't know that I ever told you. Consider yourself informed. ;-)

Ken

1486. SCARS Antique Radio Auction

Yahoo group: glowbugradio
Date: 2013-02-09 05:09:29 UTC
From: Jim Hill
Topic: 1486 Message: 1486

It's time for my annual SCARS announcement

Those who live in the Los Angeles-Orange county area of southern California may be interested in the SCARS (Southern California Antique Radio Society) auction Saturday February 18 in the city of Orange. Details can be found at <http://www.antiqueradios.org/calendar.html>http://www.antiqueradios.org/calendar.html. Anyone can come, but only members can buy and sell. Memberships are $20, and you can join at the door. Buying and selling costs $5.00, but the fee includes a nice lunch, worth more than $5. It's a good club, which has a number of meets, has a forum, and publishes a periodic bulletin, but most interest is in BCB receivers.

There will be 50-100+ radios (I guess) plus magazines and other documents available. It's all radio-oriented, none of the other stuff typically seen at swap meets. Most are BCB receivers from the 20's to .... but there are boatanchor radios every year. I'm bringing a Hallicrafters SX-28A, Pearson KP-8 (not the advanced mobile receiver, but a little bigger and heavier then the SX-28A), a RAK-7 low frequency regen, and hopefully a Pro310. I remember seeing a SP600, 51J4 and some other Hallicrafters and National radios last year

It's a good place to sell those boatanchors that are hard to pack for shipping, much better than the TRW Swap Meet. General Radio test equipment was auctioned last year to my pleasant surprise, so I'll bring some old GR gear, too. If you have a battery radio and need some 01A's, it is a good place to check (none last year, but plenty the year before). If you plan on selling, it's best to download the forms (used by the auctioneer to identify the radios) and fill them out before coming. If you are like me, selling radios you can no longer carry, club members will help you bring them in. If you participate, plan on being there most of the day. Money transfers usually occur late in the late afternoon.

Jim

1487. Re: [glowbugradio] Tek part wanted and solder

Yahoo group: glowbugradio
Date: 2013-02-09 18:07:30 UTC
From: Jim Hill
Topic: 1456 Message: 1487

Hi Ken:
You might find somebody in the Tektronix forums with a suitable
meter. They cover all Tektronix equipment, even though they are
named Tekscopes.

TekScopes@yahoogroups.com

TekScopes2@yahoogroups.com

Jim, w6ivw

At 11:29 AM 2/7/2013, Kenneth G. Gordon wrote:
>
>I have a Tektronix model 130 LC meter here, that, although it is not
>presently
>working, I would like to get working and use.
>
>However, the meter's case has been damaged.
snip...

1488. Re: [glowbugradio] Tek part wanted and solder

Yahoo group: glowbugradio
Date: 2013-02-09 18:33:09 UTC
From: Kenneth G. Gordon
Topic: 1456 Message: 1488

Thanks, Jim. I'll check it out.

Ken

On 9 Feb 2013 at 10:07, Jim Hill wrote:

> Hi Ken:
> You might find somebody in the Tektronix forums with a suitable
> meter. They cover all Tektronix equipment, even though they are named
> Tekscopes.
>
> TekScopes@yahoogroups.com
>
> TekScopes2@yahoogroups.com
>
> Jim, w6ivw
>
> At 11:29 AM 2/7/2013, Kenneth G. Gordon wrote:
> >
> >I have a Tektronix model 130 LC meter here, that, although it is not
> >presently working, I would like to get working and use.
> >
> >However, the meter's case has been damaged.
> snip...
>
>

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1489. Re: [glowbugradio] Coils

Yahoo group: glowbugradio
Date: 2013-02-09 21:41:01 UTC
From: Carl
Topic: 1459 Message: 1489

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Saturday, February 09, 2013 12:03 AM
Subject: Re: [glowbugradio] Coils

On 8 Feb 2013 at 21:44, Carl wrote:

> Ah so, my mistake, I was thinking with my thumb where the sun dont
> shine on that one (-;

Well, I don't know that I ever told you. Consider yourself informed. ;-)

Ken

One thing I dont do is join old farts associations!

I got the Novice on 11/13/55 and the General 10/13/56, took a while to break the 13 wpm barrier stuck in the Novice band. W1AW didnt seem to help much and I only had an hour after school to use the old WW2 perforated tape machine but a year later I had a 35 wpm certificate. I almost lived on 20M at home getting practice.

Just taking a break from plowing the driveway and other parts of the property. It looks like 18" on average and drifts to 30" in places, light and fluffy, and we didnt lose power even in the high winds.

Carl

1490. 10 meter BC-454 - stability

Yahoo group: glowbugradio
Date: 2013-02-09 21:59:08 UTC
From: Kenneth G. Gordon
Topic: 1490 Message: 1490

Over the last few days, I have liberally coated the HFO coil with clear lacquer.

Results: Interesting...

1) There appears to have been no difference made in the overall mechanical stability of the receiver. The slightest mechanical jar can be heard, very vividly in the audio, whether the BFO is on or off. The receiver literally "rings" like a struck bell.

2) Judiciously tapping, very lightly, on various bits has confirmed that the instability is NOT,
repeat NOT, associated solely with the HFO coil at all. In fact, tapping very lightly on the
aluminum can which holds the HFO coil can hardly be heard.

3) Pushing very slightly on any IF can, or on the chassis anywhere results in severe wobble.
Manipulating the resistors on the four resistor "blocks" very obviously favors only that one
nearest the 1st IF can.

4) Further judicious tapping and pushing appears to point to the main-tuhning capacitor as the most likely culprit, or to something inside its "can". Touching the main-tuning knob, even
slightly, results in major wobble.

Conclusion:

At this point, I am very suspicious that the main tuning capacitor is the main source of this
problem, but I have no idea how to confirm or eliminate this.

Ken W7EKB.

1491. Re: [filx] Hi

Yahoo group: glowbugradio
Date: 2013-02-11 14:17:25 UTC
From: astro boy
Topic: 1455 Message: 1491

My apologies ,,,,, for the spam sent in my acount name ....

It was Yahoo that was hijacked they had 500,000 email addresses and
passwords stolen.
So it wasn't just a couple that were stolen.
Most messages have started with "HI, HELLO, HAVE YOU SEEN THIS" for a
subject.
Yahoo needs to close their known vulnerabilities.

Hello http://www. crappy spam . poo

astro boy
2/7/2013 12:19:27 PM

1492. (no subject)

Yahoo group: glowbugradio
Date: 2013-02-11 15:22:38 UTC
From: Rod Hogg
Topic: 1492 Message: 1492

Hi! http://www.dreamteam-aa.de/tokwziq/ttt Rod Hogg

1493. 6AC7 rf stage ahead of regen detector?

Yahoo group: glowbugradio
Date: 2013-02-20 15:10:37 UTC
From: Chip Owens
Topic: 1493 Message: 1493

I'm trying to learn more about the use of an rf stage ahead of a regen detector. From the discussion so far I don't see any mention of a tuned circuit or bandpass filter ahead of the 6AC7 grounded grid amplifier. Wouldn't this be a good idea?

How much gain can be expected from this amplifier? and how would one vary the gain? What plate voltage is recommended?

How about reverse isolation? Is there sufficient isolation to minimize radiation from the oscillating detector?

Has anyone done quantitative measurements to characterize such an amplifier?

thanks,

Chip NW0O

1494. Re: 6AC7 rf stage ahead of regen detector?

Yahoo group: glowbugradio
Date: 2013-02-20 18:18:21 UTC
From: randy_hunt960
Topic: 1493 Message: 1494

I believe that I have seen this done in the past to reduce the radiation from the regen detector. . . I can't remember where i've seen this off the top of my head.

Randy, KI6WAS

--- In glowbugradio@yahoogroups.com, Chip Owens <nw0ochip@...> wrote:
>
> I'm trying to learn more about the use of an rf stage ahead of a regen detector. From the discussion so far I don't see any mention of a tuned circuit or bandpass filter ahead of the 6AC7 grounded grid amplifier. Wouldn't this be a good idea?
>
> How much gain can be expected from this amplifier? and how would one vary the gain? What plate voltage is recommended?
>
>
> How about reverse isolation? Is there sufficient isolation to minimize radiation from the oscillating detector?
>
> Has anyone done quantitative measurements to characterize such an amplifier?
>
>
> thanks,
>
>
> Chip NW0O
>

1495. Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?

Yahoo group: glowbugradio
Date: 2013-02-20 19:02:30 UTC
From: mac
Topic: 1493 Message: 1495

Tuned RF stages ahead of a regenerative detector serve to (a) isolate the detector from antenna effects and (b) increase front end selectivity. Very little overall gain is required, in fact the front end stages serve most usefully as attenuators of strong signals (on and off frequency) that would overload the detector. The Navy RAL receiver used operationally from the 1930s into the 50s included two tuned (but low gain) stages ahead of the detector. For circuits see any ARRL handbook from the 1940 or so through the 1960s.

The 6AC7 being a high gain, sharp cutoff pentode not a good choice here.

Dennis D. W7QHO
Glendale, CA

****

On Feb 20, 2013, at 7:10 AM, Chip Owens wrote:

>
> I'm trying to learn more about the use of an rf stage ahead of a
> regen detector. From the discussion so far I don't see any mention
> of a tuned circuit or bandpass filter ahead of the 6AC7 grounded
> grid amplifier. Wouldn't this be a good idea?
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> How much gain can be expected from this amplifier? and how would one
> vary the gain? What plate voltage is recommended?
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> How about reverse isolation? Is there sufficient isolation to
> minimize radiation from the oscillating detector?
>
> Has anyone done quantitative measurements to characterize such an
> amplifier?
>
> thanks,
>
> Chip NW0O
>
>
>

1496. Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?

Yahoo group: glowbugradio
Date: 2013-02-20 19:43:09 UTC
From: Kenneth G. Gordon
Topic: 1493 Message: 1496

On 20 Feb 2013 at 11:02, mac wrote:

> Tuned RF stages ahead of a regenerative detector serve to (a) isolate
> the detector from antenna effects and (b) increase front end
> selectivity. Very little overall gain is required, in fact the front
> end stages serve most usefully as attenuators of strong signals (on
> and off frequency) that would overload the detector. The Navy RAL
> receiver, used operationally from the 1930s into the 50s

And longer, in some cases. I used mine operationally in my station from
about 1958 through 1970. I have one I use now too.

> included two
> tuned (but low gain) stages ahead of the detector. For circuits see
> any ARRL handbook from the 1940 or so through the 1960s.
>
> The 6AC7 being a high gain, sharp cutoff pentode not a good choice
> here.

Very true, unless you are willing to constanty ride the gain control.

However, it does exhibit very low noise, which may or may not compensate
for its other less-than-stellar features.

Also, the 6AC7 does, apparently, make an excellent low-noise mixer if used
properly.

As much as I like the 6AC7 for other reasons, I would certainly not use one
as an RF amplifier in any normal receiver unless it was the only tube I had.

Ken W7EKB

1497. Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?

Yahoo group: glowbugradio
Date: 2013-02-20 20:17:54 UTC
From: Charles MacDonald
Topic: 1493 Message: 1497

On 13-02-20 02:02 PM, mac wrote:

> The 6AC7 being a high gain, sharp cutoff pentode not a good choice here.

But being one of the first "video" pentodes was probably selected for
it's gain-bandwidth.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1498. Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?

Yahoo group: glowbugradio
Date: 2013-02-21 01:40:35 UTC
From: Carl
Topic: 1493 Message: 1498

A RAK/RAL were still aboard the 1945 launched fleet oiler I was on till I left in1963; used in Emergency Radio as backups to a RBB and RBC plus TCS-13 that was on batteries.
Radio Central used RBA/RBB/RBC's in duplicate.

I was so impressed by all those real boatanchors that I have a set here.

Carl
KM1H

----- Original Message -----
From: mac
To: Chip Owens
Cc: glowbugradio@yahoogroups.com
Sent: Wednesday, February 20, 2013 2:02 PM
Subject: Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?

Tuned RF stages ahead of a regenerative detector serve to (a) isolate the detector from antenna effects and (b) increase front end selectivity. Very little overall gain is required, in fact the front end stages serve most usefully as attenuators of strong signals (on and off frequency) that would overload the detector. The Navy RAL receiver used operationally from the 1930s into the 50s included two tuned (but low gain) stages ahead of the detector. For circuits see any ARRL handbook from the 1940 or so through the 1960s.

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How about reverse isolation? Is there sufficient isolation to minimize radiation from the oscillating detector?

Has anyone done quantitative measurements to characterize such an amplifier?

thanks,

Chip NW0O

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5618 - Release Date: 02/20/13

1499. Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?

Yahoo group: glowbugradio
Date: 2013-02-21 01:46:30 UTC
From: Carl
Topic: 1493 Message: 1499

Since the RAL does very well with the cranked back 6D6's in the RF (It hears everything my various other excellent performing radios hear on CW when cranked up for maximum sensitivity) I wouldnt go overboard with an RF amp tube, it is not trying to overcome mixer and oscillator noise.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, February 20, 2013 2:43 PM
Subject: Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?

On 20 Feb 2013 at 11:02, mac wrote:

> Tuned RF stages ahead of a regenerative detector serve to (a) isolate
> the detector from antenna effects and (b) increase front end
> selectivity. Very little overall gain is required, in fact the front
> end stages serve most usefully as attenuators of strong signals (on
> and off frequency) that would overload the detector. The Navy RAL
> receiver, used operationally from the 1930s into the 50s

And longer, in some cases. I used mine operationally in my station from about 1958 through 1970. I have one I use now too.

> included two
> tuned (but low gain) stages ahead of the detector. For circuits see
> any ARRL handbook from the 1940 or so through the 1960s.
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> The 6AC7 being a high gain, sharp cutoff pentode not a good choice
> here.

Very true, unless you are willing to constanty ride the gain control.

However, it does exhibit very low noise, which may or may not compensate for its other less-than-stellar features.

Also, the 6AC7 does, apparently, make an excellent low-noise mixer if used properly.

As much as I like the 6AC7 for other reasons, I would certainly not use one as an RF amplifier in any normal receiver unless it was the only tube I had.

Ken W7EKB

No virus found in this message.
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Version: 10.0.1430 / Virus Database: 2639/5618 - Release Date: 02/20/13

1500. SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-21 19:10:14 UTC
From: John Ruccolo
Topic: 1493 Message: 1500

Hi Carl,

I was wondering if you read the two-part article on the SX-25 in the most recent issues of ER. I thought it was very informative and fun to read, but I'm still not sure why this receiver tends to lack sensitivity on the highest band. I seem to remember you (or maybe someone else on glowbugs) saying something about the RF coil inductances being wrong (a Hallicrafters design error). Any thoughts?

73,

John, KC2UAK

----- Original Message -----
>From: Kenneth G. Gordon
>To: glowbugradio@yahoogroups.com
>Sent: Wednesday, February 20, 2013 2:43 PM
>Subject: Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?
>
>
>On 20 Feb 2013 at 11:02, mac wrote:
>
>> Tuned RF stages ahead of a regenerative detector serve to (a) isolate
>> the detector from antenna effects and (b) increase front end
>> selectivity. Very little overall gain is required, in fact the front
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>> and off frequency) that would overload the detector. The Navy RAL
>> receiver, used operationally from the 1930s into the 50s
>
>And longer, in some cases. I used mine operationally in my station from
>about 1958 through 1970. I have one I use now too.
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>> tuned (but low gain) stages ahead of the detector. For circuits see
>> any ARRL handbook from the 1940 or so through the 1960s.
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>> The 6AC7 being a high gain, sharp cutoff pentode not a good choice
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>Very true, unless you are willing to constanty ride the gain control.
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>for its other less-than-stellar features.
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>properly.
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>As much as I like the 6AC7 for other reasons, I would certainly not use one
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>
>Ken W7EKB
>
>
>_____
>
>No virus found in this message.
>Checked by AVG - http://www.avg.com/
>Version: 10.0.1430 / Virus Database: 2639/5618 - Release Date: 02/20/13

1501. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 03:47:47 UTC
From: Carl
Topic: 1493 Message: 1501

The articles were interesting but way too much rambling and flat attempts at humor. I also disagreed with a few things but that is common with ER where no peer review is done, sort of like the old 73. Caveat Emperator as Wayne used to say.

Ive found Band 4 sensitivity to be a combination of low LO injection as well as too much coil inductance in the 1st RF....sometimes.

But since there are (at least) 3 different variations I hesitate to prescribe changes unless it is done one step at a time and thouroughly tested before proceeding to the next step.

Out of tolerance resistors also impact injection as well as RF and converter stages. Sometimes several NIB 6K8's need to be tried until one that works well at 10M surfaces.
Do those steps first along with the usual recap. Discs work better in the front end.

Ive also adapted the 6SG7 to both stages when Band 4 is important. Pay attention to Pins 3 and 5 and rewire as needed depending on the moon the week it was built!

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, February 21, 2013 2:10 PM
Subject: [glowbugradio] SX-25 two-part article in Electric Radio

Hi Carl,

I was wondering if you read the two-part article on the SX-25 in the most recent issues of ER. I thought it was very informative and fun to read, but I'm still not sure why this receiver tends to lack sensitivity on the highest band. I seem to remember you (or maybe someone else on glowbugs) saying something about the RF coil inductances being wrong (a Hallicrafters design error). Any thoughts?

73,

John, KC2UAK

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, February 20, 2013 2:43 PM

Subject: Re: [glowbugradio] 6AC7 rf stage ahead of regen detector?

On 20 Feb 2013 at 11:02, mac wrote:

> Tuned RF stages ahead of a regenerative detector serve to (a) isolate
> the detector from antenna effects and (b) increase front end
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And longer, in some cases. I used mine operationally in my station from about 1958 through 1970. I have one I use now too.

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Very true, unless you are willing to constanty ride the gain control.

However, it does exhibit very low noise, which may or may not compensate for its other less-than-stellar features.

Also, the 6AC7 does, apparently, make an excellent low-noise mixer if used properly.

As much as I like the 6AC7 for other reasons, I would certainly not use one as an RF amplifier in any normal receiver unless it was the only tube I had.

Ken W7EKB

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Version: 10.0.1430 / Virus Database: 2639/5618 - Release Date: 02/20/13

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5619 - Release Date: 02/20/13

1502. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 03:53:01 UTC
From: Kenneth G. Gordon
Topic: 1493 Message: 1502

On 21 Feb 2013 at 22:47, Carl wrote:

> The articles were interesting but way too much rambling and flat
> attempts at humor.

Yes.

Also, what I think he should have added was his experience with it once he had completed his "restoration". That was left completely out of the article.

Carl, how well does it "play" once it has been properly restored?

Ken W7EKB

1503. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 15:34:40 UTC
From: Carl
Topic: 1493 Message: 1503

On 21 Feb 2013 at 22:47, Carl wrote:

> The articles were interesting but way too much rambling and flat
> attempts at humor.

Yes.

Also, what I think he should have added was his experience with it once he had completed his "restoration". That was left completely out of the article.

Carl, how well does it "play" once it has been properly restored?

Ken W7EKB

** Yeah, one of the longest articles yet and there was minimum information about how the radio worked, alignment procedures & issues, etc; ye gads, what a puff piece.
I just wish I had the time to take a few notable sets and do a credible article. The one on the HRO-60 still rankles me and even after several corrections there are still errors and omissions.

All said and done it is not very different than the SX-17 which preceeded it as Hallis first 2 RF stage radio. With the problems fixed it is more sensitive, the calibrated BS is a big plus, drift is tolerable, and 6V6's are sure as hell better than the 6F6; less distortion and more efficient (less heat). Too bad he didnt have a clue that those were simply a repackaged 42 and already obsolete by the time the radio came out in 39. It is a nice GC radio and quite useable on AM and CW ham bands.

It certainly isnt a SX-28 by any stretch but Ive always thought it was one of the best looking radios of the 30's and 40's.

I had one for a very short time as a Novice in 56 and it was useless on 15M; now I know why and that memory prompted me to get a mint one about 5 years ago and dig into it with some real test equipment. OTOH I still prefer the HQ-129X which is what replaced it and its brother is currently in use. The SX-25 sits on a shelf.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5623 - Release Date: 02/22/13

1504. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 16:31:37 UTC
From: Kenneth G. Gordon
Topic: 1493 Message: 1504

On 22 Feb 2013 at 10:34, Carl wrote:

> Carl, how well does it "play" once it has been properly restored?
>
> Ken W7EKB
>
> ** Yeah, one of the longest articles yet and there was minimum
> information about how the radio worked, alignment procedures & issues,
> etc; ye gads, what a puff piece.

Yes. I was disappointed in it too. I kept expecting to see more useful information, but it was never forthcoming.

> I just wish I had the time to take a
> few notable sets and do a credible article. The one on the HRO-60
> still rankles me and even after several corrections there are still
> errors and omissions.

Well, I would certainly like to read anything you would write on it. The HRO-60 has always been my favorite receiver.

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> tolerable, and 6V6's are sure as hell better than the 6F6; less
> distortion and more efficient (less heat).

I always thought the 6F6 was way overkill. Much too big for what it did. And way too hot.

> Too bad he didnt have a
> clue that those were simply a repackaged 42 and already obsolete by
> the time the radio came out in 39.

The RAL uses a 41 for its audio output. Interesting.

> It is a nice GC radio and quite
> useable on AM and CW ham bands.

Good. That's the sort of info I would have found valuable.

> It certainly isnt an SX-28 by any stretch but Ive always thought it was
> one of the best looking radios of the 30's and 40's.

Yes. That is one of the things that attracted me to it: its looks.

> I had one for a very short time as a Novice in 56 and it was useless
> on 15M; now I know why and that memory prompted me to get a mint one

> about 5 years ago and dig into it with some real test equipment.

Results?

> OTOH
> I still prefer the HQ-129X which is what replaced it and its brother
> is currently in use. The SX-25 sits on a shelf.

I was given an HQ-129X by its original owner. As far as I am concerned, the HQ-129X was possibly the very best buy of the period....except for those really terrible original knobs.

It is in the queue to be restored. I think that as soon as I have finished with this kludge of a 10 meter conversion of the BC-454, I'll dig into it.

I ran some ARC-5 receiver bottom plates through the dishwasher last night. They came out looking almost new. I used some acetone to dissolve a lot of the oil and beeswax from shot can-caps before I put them in the dishwasher though.

Thanks for the info on the SX-25.

Ken W7EKB

1505. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 18:30:34 UTC
From: John Ruccolo
Topic: 1493 Message: 1505

Carl and Ken,

Thank you both for the information, and your feedback. I enjoyed *most* of the humor in the aricle, but I agree an editor should "tighten things up" a bit. I think a little humor is good. Some authors tend to take the subject (and themselves) too seriously. But *small* doses of humor and digressions are better.

Your point about "peer review" is an interesting one. I assume Ray, N0DMS the ER editor, goes over each article pretty carefully. He is certainly knowledgeable. But maybe technical accuracy talkes a back seat to getting the magazine out each month; after all it is a one-man operation, I think.

I think the SX-25 is a very underrated receiver. I remember reading something on the web that struck me -- it (and the SX-24) just don't look that great in pictures. But they are much better "in person."

73,

John, KC2UAK

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 11:31 AM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

On 22 Feb 2013 at 10:34, Carl wrote:

> Carl, how well does it "play" once it has been properly restored?
>
> Ken W7EKB
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HQ-129X was possibly the very best buy of the period....except for those
really terrible original knobs.

It is in the queue to be restored. I think that as soon as I have finished with
this kludge of a 10 meter conversion of the BC-454, I'll dig into it.

I ran some ARC-5 receiver bottom plates through the dishwasher last night.
They came out looking almost new. I used some acetone to dissolve a lot of
the oil and beeswax from shot can-caps before I put them in the dishwasher
though.

Thanks for the info on the SX-25.

Ken W7EKB

1506. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 18:39:40 UTC
From: Carl
Topic: 1493 Message: 1506

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 11:31 AM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

On 22 Feb 2013 at 10:34, Carl wrote:

> Carl, how well does it "play" once it has been properly restored?
>
> Ken W7EKB
>
> ** Yeah, one of the longest articles yet and there was minimum
> information about how the radio worked, alignment procedures & issues,
> etc; ye gads, what a puff piece.

Yes. I was disappointed in it too. I kept expecting to see more useful
information, but it was never forthcoming.

> I just wish I had the time to take a
> few notable sets and do a credible article. The one on the HRO-60
> still rankles me and even after several corrections there are still
> errors and omissions.

Well, I would certainly like to read anything you would write on it. The
HRO-60 has always been my favorite receiver.

> All said and done it is not very different than the SX-17 which
> preceeded it as Hallis first 2 RF stage radio. With the problems fixed
> it is more sensitive, the calibrated BS is a big plus, drift is
> tolerable, and 6V6's are sure as hell better than the 6F6; less
> distortion and more efficient (less heat).

I always thought the 6F6 was way overkill. Much too big for what it did. And
way too hot.

> Too bad he didnt have a
> clue that those were simply a repackaged 42 and already obsolete by
> the time the radio came out in 39.

The RAL uses a 41 for its audio output. Interesting.

** That became the 6K6.

> It is a nice GC radio and quite
> useable on AM and CW ham bands.

Good. That's the sort of info I would have found valuable.

> It certainly isnt an SX-28 by any stretch but Ive always thought it was
> one of the best looking radios of the 30's and 40's.

Yes. That is one of the things that attracted me to it: its looks.

> I had one for a very short time as a Novice in 56 and it was useless
> on 15M; now I know why and that memory prompted me to get a mint one
> about 5 years ago and dig into it with some real test equipment.

Results?

** It is too wide open to get a real MDS due to leakage but it hears as well as say a single octal RF National of the 1936-52 years, but a NC-183 is far superior. With closely matched 6V6's and bias adjusted if necessary, the audio is as good as any similar radio. I currently do not have a suitable TX to display/use with it or the room to operate them.

** Just got thru with an 9 day professional weatherization which required moving way too much stuff upstairs. That now gives me the space and incentive to get parts and equipment organized, inventoried (especially tubes), toss a lot of crap, and move other mostly nonradio related items to the garage, outbuildings, etc where temperature wont bother them.

> OTOH
> I still prefer the HQ-129X which is what replaced it and its brother
> is currently in use. The SX-25 sits on a shelf.

I was given an HQ-129X by its original owner. As far as I am concerned, the HQ-129X was possibly the very best buy of the period....except for those really terrible original knobs.

It is in the queue to be restored. I think that as soon as I have finished with
this kludge of a 10 meter conversion of the BC-454, I'll dig into it.

I ran some ARC-5 receiver bottom plates through the dishwasher last night. They came out looking almost new. I used some acetone to dissolve a lot of the oil and beeswax from shot can-caps before I put them in the dishwasher though.

** You should detail that 454 with enough data and photos to write it up. Showing how bad some of those vintage hacker articles really were and a method to maybe keep a few from the trash.

Thanks for the info on the SX-25.

** Y'all welcum good buddy. Stay warm.
We got some more of that white stuff heading this way tomorrow night; 8-12" is just enough to be a minor annoyance and one pass for the old 78 F-250 yard truck.

Carl

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5623 - Release Date: 02/22/13

1507. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 20:36:45 UTC
From: Kenneth G. Gordon
Topic: 1493 Message: 1507

On 22 Feb 2013 at 13:39, Carl wrote:

> The RAL uses a 41 for its audio output. Interesting.
>
> ** That became the 6K6.

Yes. And the 6D6 became the 6K7, and later the 6SK7.

> Results?
>
> ** It is too wide open to get a real MDS due to leakage but it hears
> as well as say a single octal RF National of the 1936-52 years, but a
> NC-183 is far superior. With closely matched 6V6's and bias adjusted
> if necessary, the audio is as good as any similar radio. I currently
> do not have a suitable TX to display/use with it or the room to
> operate them.

Good info. So far, what you say about it makes it about the only Hallicrafters receiver, other than the SX-28, and the SX-100 (only because one of my favorite Elmers had one), and maybe that SX-115/117 (?) that I would bother to own and use.

> ** Just got thru with an 9 day professional weatherization which
> required moving way too much stuff upstairs. That now gives me the
> space and incentive to get parts and equipment organized, inventoried
> (especially tubes), toss a lot of crap, and move other mostly nonradio
> related items to the garage, outbuildings, etc where temperature wont
> bother them.

I have to do something similar before NEXT winter...

> ** You should detail that 454 with enough data and photos to write it
> up.

I had thought the same thing as you, and for the same reasons you metion below. Although I didn't take a lot of "before" photos, I did take a lot of "after" photos and will include those. It is going to be a pretty long article, but should be enjoyable to many. I might send it to you before I send it to Ray so you can "vet" it....if you have time.

> Showing how bad some of those vintage hacker articles really were
> and a method to maybe keep a few from the trash.

Agreed.

> Thanks for the info on the SX-25.
>
> ** Y'all welcum good buddy. Stay warm.

Trying to. Snowing here for the past couple of days. Not too bad yet though.

> We got some more of that white stuff heading this way tomorrow night;
> 8-12" is just enough to be a minor annoyance and one pass for the old
> 78 F-250 yard truck.

Yes. You're prepared and wise: most other people don't seem to be either one...

Good Luck, Carl. God Bless.

Ken W7EKB

1508. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 21:59:11 UTC
From: Carl
Topic: 1493 Message: 1508

Carl and Ken,

Thank you both for the information, and your feedback. I enjoyed *most* of the humor in the aricle, but I agree an editor should "tighten things up" a bit. I think a little humor is good. Some authors tend to take the subject (and themselves) too seriously. But *small* doses of humor and digressions are better.

** As many know Im not without humor by a long shot, especially in person. However in a technical article an excessive amount seriously detracts from the content.

Your point about "peer review" is an interesting one. I assume Ray, N0DMS the ER editor, goes over each article pretty carefully. He is certainly knowledgeable. But maybe technical accuracy talkes a back seat to getting the magazine out each month; after all it is a one-man operation, I think.

** Ray may be a decent tech but his knowledge range is limited in some areas as well as equipment. Unlike several others and myself who made a living in the business servicing many brands for established companies and dealers as well as some R&D experience.

I think the SX-25 is a very underrated receiver. I remember reading something on the web that struck me -- it (and the SX-24) just don't look that great in pictures. But they are much better "in person."

73,

John, KC2UAK

** I loved the looks of the SX-25 the first time I saw it on the used gear shelf a Harrison Radio in the NYC Radio Row but it was priced too high for a 15 year old. I soon bought one from a local sale out on LI and the 129X came from an ad on Harrisons bulletin board.

Carl
KM1H

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 11:31 AM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

On 22 Feb 2013 at 10:34, Carl wrote:

> Carl, how well does it "play" once it has been properly restored?
>
> Ken W7EKB

>
> ** Yeah, one of the longest articles yet and there was minimum
> information about how the radio worked, alignment procedures & issues,
> etc; ye gads, what a puff piece.

Yes. I was disappointed in it too. I kept expecting to see more useful
information, but it was never forthcoming.

> I just wish I had the time to take a
> few notable sets and do a credible article. The one on the HRO-60
> still rankles me and even after several corrections there are still
> errors and omissions.

Well, I would certainly like to read anything you would write on it. The
HRO-60 has always been my favorite receiver.

> All said and done it is not very different than the SX-17 which
> preceeded it as Hallis first 2 RF stage radio. With the problems fixed
> it is more sensitive, the calibrated BS is a big plus, drift is
> tolerable, and 6V6's are sure as hell better than the 6F6; less
> distortion and more efficient (less heat).

I always thought the 6F6 was way overkill. Much too big for what it did. And
way too hot.

> Too bad he didnt have a
> clue that those were simply a repackaged 42 and already obsolete by
> the time the radio came out in 39.

The RAL uses a 41 for its audio output. Interesting.

> It is a nice GC radio and quite
> useable on AM and CW ham bands.

Good. That's the sort of info I would have found valuable.

> It certainly isnt an SX-28 by any stretch but Ive always thought it was
> one of the best looking radios of the 30's and 40's.

Yes. That is one of the things that attracted me to it: its looks.

> I had one for a very short time as a Novice in 56 and it was useless
> on 15M; now I know why and that memory prompted me to get a mint one
> about 5 years ago and dig into it with some real test equipment.

Results?

> OTOH
> I still prefer the HQ-129X which is what replaced it and its brother
> is currently in use. The SX-25 sits on a shelf.

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HQ-129X was possibly the very best buy of the period....except for those
really terrible original knobs.

It is in the queue to be restored. I think that as soon as I have finished with
this kludge of a 10 meter conversion of the BC-454, I'll dig into it.

I ran some ARC-5 receiver bottom plates through the dishwasher last night. They came out looking almost new. I used some acetone to dissolve a lot of the oil and beeswax from shot can-caps before I put them in the dishwasher though.

Thanks for the info on the SX-25.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5623 - Release Date: 02/22/13

1509. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 22:14:51 UTC
From: Paul Christensen
Topic: 1493 Message: 1509

In 1940, I imagine a lot of guys were crawling all over the SX-25 for its looks and features. At roughly the same time, National had the NC-101X and by 1940, I believe the XA version was already out. I don't recall the price differences but I would bet the SX-25 came in under National. I've got the NC-101X and SX-25. There's just no comparison in performance. For one thing, the 101X is never starved for BFO injection and SSB reception is so good that an outboard sideband slicer/product detector probably wouldn't offer much better SSB performance.

My SX-25 is dead on the upper band and will not peak like it does on the other bands. Carl sent me some troubleshooting hints that I've not gotten to yet. I took a yellow highlighter to the schematic and traced all circuit paths for band four. Just need to find the time...

Paul, W9AC

1510. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 22:15:53 UTC
From: Carl
Topic: 1493 Message: 1510

On 22 Feb 2013 at 13:39, Carl wrote:

> The RAL uses a 41 for its audio output. Interesting.
>
> ** That became the 6K6.

Yes. And the 6D6 became the 6K7, and later the 6SK7.

** And before that was the 58 and 78, only difference being filament.

> Results?
>
> ** It is too wide open to get a real MDS due to leakage but it hears
> as well as say a single octal RF National of the 1936-52 years, but a
> NC-183 is far superior. With closely matched 6V6's and bias adjusted
> if necessary, the audio is as good as any similar radio. I currently
> do not have a suitable TX to display/use with it or the room to
> operate them.

Good info. So far, what you say about it makes it about the only
Hallicrafters
receiver, other than the SX-28, and the SX-100 (only because one of my
favorite Elmers had one), and maybe that SX-115/117 (?) that I would bother
to own and use.

** Have all of those and the SX-100 feels like a Yugo, paper thin metal and
poor mechanical integrity. It is a decent receiver otherwise and some have
put in the time to improve the faults. I have too many rdios to bother so
after a recap, etc, it is just another shelf queen.

> ** Just got thru with a 9 day professional weatherization which
> required moving way too much stuff upstairs. That now gives me the
> space and incentive to get parts and equipment organized, inventoried
> (especially tubes), toss a lot of crap, and move other mostly nonradio
> related items to the garage, outbuildings, etc where temperature wont
> bother them.

I have to do something similar before NEXT winter...

> ** You should detail that 454 with enough data and photos to write it
> up.

I had thought the same thing as you, and for the same reasons you metion
below. Although I didn't take a lot of "before" photos, I did take a lot of
"after"
photos and will include those. It is going to be a pretty long article, but
should

be enjoyable to many. I might send it to you before I send it to Ray so you can "vet" it....if you have time.

** I'll try to be gentle (-;

> Showing how bad some of those vintage hacker articles really were
> and a method to maybe keep a few from the trash.

Agreed.

> Thanks for the info on the SX-25.
>
> ** Y'all welcum good buddy. Stay warm.

Trying to. Snowing here for the past couple of days. Not too bad yet though.

> We got some more of that white stuff heading this way tomorrow night;
> 8-12" is just enough to be a minor annoyance and one pass for the old
> 78 F-250 yard truck.

Yes. You're prepared and wise: most other people don't seem to be either one...

** A 80 yr old friend gave me the truck, it was his backup plow vehicle until his wife made him give up plowing large parking lots. He was also a craftsman woodworker and model builder; unfortunately he died suddenly at 86 but after some work the truck lives on awhile longer I hope.

Good Luck, Carl. God Bless.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5623 - Release Date: 02/22/13

1511. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 22:28:24 UTC
From: Carl
Topic: 1493 Message: 1511

Paul, by 1940 the NC-200 was available which was a slightly improved NC-100/101 family. Nationals were always pricey for obvious reasons and the postwar NC-173 brought them into the mid price range wher it did very well. The NC-57 would blow away the S-40 series and even the lowly NC-33 had features that Halli and the others didnt.

I agree about the 101X, mine is the early eye tube model.

Carl
KM1H

----- Original Message -----
From: Paul Christensen
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 5:14 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

☐

In 1940, I imagine a lot of guys were crawling all over the SX-25 for its looks and features. At roughly the same time, National had the NC-101X and by 1940, I believe the XA version was already out. I don't recall the price differences but I would bet the SX-25 came in under National. I've got the NC-101X and SX-25. There's just no comparison in performance. For one thing, the 101X is never starved for BFO injection and SSB reception is so good that an outboard sideband slicer/product detector probably wouldn't offer much better SSB performance.

My SX-25 is dead on the upper band and will not peak like it does on the other bands. Carl sent me some troubleshooting hints that I've not gotten to yet. I took a yellow highlighter to the schematic and traced all circuit paths for band four. Just need to find the time...

Paul, W9AC

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5623 - Release Date: 02/22/13

1512. RE: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 23:03:24 UTC
From: D C _Mac_ Macdonald
Topic: 1493 Message: 1512

The NC-33 I had beat the S-38 by a huge margin.
The SW-54 replacement was a piece of crap!

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@hotmail.com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@jeremy.mv.com
Date: Fri, 22 Feb 2013 17:28:24 -0500
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

Paul, by 1940 the NC-200 was available which was a slightly improved NC-100/101 family. Nationals were always pricey for obvious reasons and the postwar NC-173 brought them into the mid price range wher it did very well. The NC-57 would blow away the S-40 series and even the lowly NC-33 had features that Halli and the others didnt.

I agree about the 101X, mine is the early eye tube model.

Carl
KM1H

----- Original Message -----
From: Paul Christensen
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 5:14 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

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No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1430 / Virus Database: 2639/5623 - Release Date: 02/22/13

1513. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-22 23:39:56 UTC
From: Bob Macklin
Topic: 1493 Message: 1513

Where did the NC-109 fit? I bought one new about 1960 and used it for about 10 years. Several years ago I bought another one and I still use it occasionally.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: D C _Mac_ Macdonald
To: Glowbug Radio
Sent: Friday, February 22, 2013 3:03 PM
Subject: RE: [glowbugradio] SX-25 two-part article in Electric Radio

The NC-33 I had beat the S-38 by a huge margin.
The SW-54 replacement was a piece of crap!

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Fri, 22 Feb 2013 17:28:24 -0500
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

Paul, by 1940 the NC-200 was available which was a slightly improved NC-100/101 family. Nationals were always pricey for obvious reasons and the postwar NC-173 brought them into the mid price range wher it did very well. The NC-57 would blow away the S-40 series and even the lowly NC-33 had features that Halli and the others didnt.

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Carl
KM1H

----- Original Message -----
From: Paul Christensen
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 5:14 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

☐

In 1940, I imagine a lot of guys were crawling all over the SX-25 for its looks and features. At roughly the same time, National had the NC-101X and by 1940, I believe the XA version was already out. I don't recall the price differences but I would bet the SX-25 came in under National. I've got the NC-101X and SX-25. There's just no comparison in performance. For one thing, the 101X is never starved for BFO injection and SSB reception is so good that an outboard sideband slicer/product detector probably wouldn't offer much better SSB performance.

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5623 - Release Date: 02/22/13

1514. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-23 00:42:50 UTC
From: Carl
Topic: 1493 Message: 1514

The 109 is miniature tubes and came out in 57. It has always been known as a good performer, also as a sleeper, and even has a product detector. I found mine for $50 at Nearfest 2 years ago in excellent shape...its another shelf queen!
Someday Im just going to have to thin the herd.

Carl

----- Original Message -----
From: Bob Macklin
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 6:39 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

☐
Where did the NC-109 fit? I bought one new about 1960 and used it for about 10 years. Several years ago I bought another one and I still use it occasionally.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: D C _Mac_ Macdonald
To: Glowbug Radio
Sent: Friday, February 22, 2013 3:03 PM
Subject: RE: [glowbugradio] SX-25 two-part article in Electric Radio

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* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Fri, 22 Feb 2013 17:28:24 -0500
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

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From: Paul Christensen
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 5:14 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5623 - Release Date: 02/22/13

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5624 - Release Date: 02/22/13

1515. RE: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-23 03:43:36 UTC
From: D C _Mac_ Macdonald
Topic: 1493 Message: 1515

I know that the NC-98 is an earlier receiver
and does NOT have the product detector, but
how does it compare to the NC-109?

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@hotmail.com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@jeremy.mv.com
Date: Fri, 22 Feb 2013 19:42:50 -0500
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

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good performer, also as a sleeper, and even has a product detector. I found
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Bob Macklin
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1516. Re: SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-23 11:39:05 UTC
From: laingt@...
Topic: 1493 Message: 1516

Pretty much my first post here. I have a somewhat rough SX-25 that I picked up a few years ago at the Toledo Ohio Hamfest. The seller had it playing so I knew it worked at least a little bit. It is missing some of the original knobs. The worst part is somebody hacked up the front panel and put in a replacement S meter. The price was very cheap so I couldn't resist it's soft calls to me! sssspss please take me home, please please! I had a S53A when I was in high school along with a Zenith TO 8G005.(My first short wave radio) My first real big short wave was a Sparton 966X floor radio. I still have all the sets except the S53A, a friend has that one now. I like the nationals I have a HRO50 and HRO60(A recent aquisition $125) both are waiting to be worked on. I have 2 of the NC100s the early one with the tuning eye and the later one NC100A with the dial. I have a Hammerlund HQ129X (Actually 2, the second one was a steal and had the speaker with it.) I have a couple of RMEs a 69 with the preselector(Dayton hamfest 2012) and a 46B with preselector. I have a R390A and a bunch of other radios. A lot of them are going to be my future projects to work on. I work 12 hour night shifts now. It makes life hard. I collect antique tubes and antique test equipment. I have an area that is going to be fixed up to display all my toys.
Tim Laing

1517. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-23 13:40:52 UTC
From: Carl
Topic: 1493 Message: 1517

Not very well IMO, about like a S-40 with a barely useful crystal filter;
the copper plated chassis is sort of interesting on a mid level radio that
wasnt carried thru to the high end sets. Certainly no match for a HQ-140X.

Carl
KM1H

I know that the NC-98 is an earlier receiver
and does NOT have the product detector, but
how does it compare to the NC-109?

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Fri, 22 Feb 2013 19:42:50 -0500
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

The 109 is miniature tubes and came out in 57. It has always been known as a
good performer, also as a sleeper, and even has a product detector. I found
mine for $50 at Nearfest 2 years ago in excellent shape...its another shelf
queen!
Someday Im just going to have to thin the herd.

Carl

----- Original Message -----
From: Bob Macklin
To: glowbugradio@yahoogroups.com
Sent: Friday, February 22, 2013 6:39 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

☐
Where did the NC-109 fit? I bought one new about 1960 and used it for about
10 years. Several years ago I bought another one and I still use it
occasionally.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5624 - Release Date: 02/22/13

1518. Re: [glowbugradio] Re: SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-23 13:46:02 UTC
From: Carl
Topic: 1493 Message: 1518

Welcome Tim, I see you posting on TCA often.

That is some nice gear you have so hopefully you can find some spare time.

Carl
KM1H

----- Original Message -----
From: laingt@...
To: glowbugradio@...m
Cc: laingt@...
Sent: Saturday, February 23, 2013 6:39 AM
Subject: [glowbugradio] Re: SX-25 two-part article in Electric Radio

Pretty much my first post here. I have a somewhat rough SX-25 that I picked up a few years ago at the Toledo Ohio Hamfest. The seller had it playing so I knew it worked at least a little bit. It is missing some of the original knobs. The worst part is somebody hacked up the front panel and put in a replacement S meter. The price was very cheap so I couldn't resist it's soft calls to me! sssspss please take me home, please please! I had a S53A when I was in high school along with a Zenith TO 8G005.(My first short wave radio) My first real big short wave was a Sparton 966X floor radio. I still have all the sets except the S53A, a friend has that one now. I like the nationals I have a HRO50 and HRO60(A recent aquisition $125) both are waiting to be worked on. I have 2 of the NC100s the early one with the tuning eye and the later one NC100A with the dial. I have a Hammerlund HQ129X (Actually 2, the second one was a steal and had the speaker with it.) I have a couple of RMEs a 69 with the preselector(Dayton hamfest 2012) and a 46B with preselector. I have a R390A and a bunch of other radios. A lot of them are going to be my future projects to work on. I work 12 hour night shifts now. It makes life hard. I collect antique tubes and antique test equipment. I have an area that is going to be fixed up to display all my toys.
Tim Laing

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5624 - Release Date: 02/22/13

1519. Variac, SWR Bridge, PS, and other items FS

Yahoo group: glowbugradio
Date: 2013-02-23 14:59:22 UTC
From: Ken Simpson, W8EK
Topic: 1519 Message: 1519

Boatanchor and related items for sale:

Variac, Heath SWR Bridge, Bench Power Supply, Low Pass
TVI Filters, Communications Speakers, Coax Switches,
Wattmeter, Antenna Tuner, Callbooks, Antenna Connectors
and more

General Radio Model 200 B Variac:

Most of us know what a variac is. This is a relatively
small one. It has the markings on it, but I can not find
a current rating, but would guess it is in the amp to amp
and a half range. Ideal for some of those small projects
where you don't want to drag a huge one out.

This one works fine, and includes the knob. It is made
for panel mounting with three screws.

I checked that bay place and find these have sold for any
place from $35 to $89. Buy this one for $20 plus shipping
from Florida. It will fit in a USPS medium flat rate box.

Heath AM-2 HF SWR Bridge:

This HF SWR Bridge matches the DX-40, although it can be
used with any HF transmitter. It is about 8 inches wide
and 4.5 inches high, with the meter in the middle, and a
gray colored knob at each side near the bottom. It covers
160 thru 2 meters and will handle full power.

This particular unit works fine and is in very good shape.

Paper work is included for $25.

Kepco Variable Bench Power Supply:

This is an ideal bench power supply! It is a Kepco Model ABC
40-0.5, which means that it will produce from zero up to 40 V
DC at up to 1/2 amp. Great for the bench.

The voltage is adjustable with a 10 turn pot from close to zero,
up to about 40 volts. There is a fairly large analog meter that
reads the voltage. There is also current limiting built in that
is adjustable from about 100 ma to up to about 700 ma. The same
meter that reads voltage can be switched to read current, or
short circuit current (the point that the current limit is set).
In addition, there are connections on the back to allow remote
sensing and remote programming. This is a quality regulated

power supply!

This particular unit works 100%, and looks extremely nice.

These normally sell used for $125 to $150 (plus shipping).
Buy this one for $85.

Low Pass TVI Filters:

A low pass TVI filter is added to the transmitter to reduce
harmonic interference. All have SO-239 connectors, and are
50 ohm filters.

The first one works on 6 meters as well as HF:

Drake TV-1000
This filter may also be used on the low end of six meters,
as well as HF. It is good for 1000 W "average" below 30MHz,
and about 200 W up to 52 MHz. Works fine, looks ugly.
With paper work for $22.

Bencher YA-1, high power, low pass TVI filter
If you need a heavy duty filter for the output of your amplifier,
this one is ideal. It will take full legal power plus, and has at
least 80 db signal attenuation at TV channel 2. This one works
great, and is in its original box.
Bencher currently sells these for about $90. Only $60.

Bencher YA-1
As above, not in original box. $45

Johnson 250-20 Low Pass Filter
This is a 52 ohm cylindrical low pass filter with a cut
off frequency of 45 MHz and 75 db of attenuation.
It is rated to take 1000 Watts of AM, or 5000 Watts
PEP SSB. With mounting bracket. $30

B & W FL-10/1500
This filter cuts off just above 10 meters, and handles 1500
Watts. It is the latest model B&W filter.In very nice condition,
it looks close to new. $40

Para Dynamics PDC 1089
This filter is rated at a full Kilowatt, up to 30 MHz.
5 x 6 x 2 inch black box, instead of the more familiar long
enclosure. It looks like new. $25

Communications Speakers:

Realistic 21-549 A
This speaker is about 4 inches square and about 2 inches
deep. It is rated for 5 watts, has an 8 ohm impedance, and
is listed as a 300 to 3000 Hz frequency response, making it

ideal for communications. It has a 3.5 mm (1/8 inch) mono plug, as used by most modern rigs. Gimbal mount included. It is black in color, looks great, and sounds great. $15

Vanco SPB-5
Appears to be the same at above, but with a Vanco label. Also includes gimbal mount. $15

Coax switches:

B & W 550 A 2 Coax Switch
This coax switch will switch between two different coaxial cables, such as two antennas, or switch one antenna between two rigs. It has SO-239 connectors.
Although this one is an older switch, it is also more heavy duty, and will easily handle 1500 watts.
This one is in its original box, and obviously works well and looks great also. $22

Workman CX-3, three position coax switch
It looks new, also in its original box. $15

GC 2 position coax switch
This one looks like new, but no original box. $12

Coaxial Lightning Arrestor:

This lightning arrestor is made to be inserted in to your coaxial feedline, to help reduce lightning damage.

Cushcraft LAC-1
No markings on this to confirm the model number, but it looks like the Cushcraft "Blitz Bug".
It has an SO-239 on one end and a PL-259 on the other end (female UHF on one end and male on the other).
Simply unscrew the PL-259 on your coax, insert this lightning arrestor, and you are all set. $10

MFJ 949 E HF Antenna Tuner:

The MFJ-949E deluxe 300 watt Versa Tuner II gives you full coverage from 1.8 to 30 MHz, with a peak and average reading cross-needle SWR/power meter. It features a custom designed inductor switch, 1000 volt tuning capacitors, Teflon insulation washers and proper L/C ratio to ensure arc-free operation with up to 300 Watts. MFJ's Cross-Needle Meter shows you SWR, forward and reflected power simultaneously. It reads both peak and average power on 300 or 30 watt ranges. A dummy load is built in. It includes an 8 position antenna switch for the two coaxial cables and one random wire or balanced line, in addition to the dummy load.
It needs 12 V DC to illuminate the meter.

This is the current model that MFJ is selling. This particular unit works fine, and looks great. With paper work for $95.

Wall Wart for above. $12

But both above for $105.

MFJ 815 B Cross Needle Peak Reading HF Wattmeter:

The MFJ-815B cross-needle meter allows you to monitor both forward and reflected power, and SWR simultaneously. There are buttons to select either Peak or Average reading and power ranges of 200/2000 watts forward and 50/500 watts reflected. Frequency coverage is 1.8 to 60 MHz, so it covers 6 meters in addition to the HF bands, making it ideal for some of the new rigs that include 6 meters.
The peak reading function of this meter and meter light require external 12 V DC.

This particular unit works fine, and looks very close to new. With paper work for $65.

Ham Radio Amateur "Flying Horse" Callbooks:

All are in extremely nice condition, close to new, unless listed otherwise.

1995 North American "US" Callbook with over 700,000 listings, including Canadian - $8

1981 Foreign "DX" Callbook - $5

1994 International "DX" Callbook - $5

Coax connectors and adapters:

Prices are per connector.
Several of each are available.
Most are unused.

SPECIAL: Buy 5 and take 10% off.
Buy 10 or more and take 20% off.

UHF Right angle 90 degree elbow connector $3

UHF double female "Barrel connector" $3

UHF "Bulkhead Connector" - Double female, as above, but for mounting thru a window, siding, etc. about 3 inches long $6

UHF double male connector $3

UHF "T" connector with two female (SO-239) and one male (PL-259) connection $5

Antenna adapter to fit the BNC connector on the HT
and provide an SO-239 connector that will permit
a PL-259 to be attached. (BNC male to UHF female) $5

UHF Male to BNC female $5

BNC male for coax cables
standard type $2
crimp on type $3

Chassis mount BNC female
square mount (uses 4 screws) $3
screw in type $3

BNC "T", two female and one male $3

I also have many other ham items available. Please e-mail
me if you have specific needs. I might be able to help you.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

1520. 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 17:41:46 UTC
From: Kenneth G. Gordon
Topic: 1520 Message: 1520

I pulled out the old AN/URM-25D signal generator last night, and attempted to fire it up.

No RF indication on the meter, although everything seemed to be OK otherwise.

After about 15 minutes, the RF output as indicated on the meter with both pots (microvolts and the other one) all the way up started to rise just barely off the bottom peg.

Connecting the X-200K BNC to my frequency counter, I get a good readout.

Opening the case and carefully removing the signal generator, then removing the power supply, I find that after disconnecting the 6 pin connector from the power supply and measuring the voltages, everything measures at the correct voltages, but in connecting the 6-pin connector, the DC voltage drops rapidly and continues to fall toward zero finally stopping at less than 50 volts DC.

Measuring the resistance between the +HV pin and ground toward the sig gen, I get a reading of around 5 megohms.

At this point, I suspect the 6X4WA rectifier tube.

However, this seems odd to me. Could the tube be so very marginal in emission that it would not carry the necessary current, no matter how little was required?

It does light up, as do all of the tubes in the sig gen.

Only the DC output voltage goes away when any kind of a load is put on the power supply...and that DC voltage falls as measured clear back to the cathode of the 6X4...

Nothing anywhere gets overly hot: nothing smells, there are no burnt resistors, all capacitors seem OK.

Thoughts and suggestions?

Ken W7EKB

1521. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 17:45:00 UTC
From: Bob Macklin
Topic: 1520 Message: 1521

Check the 6X4 for a cathode/heater short.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Saturday, February 23, 2013 9:41 AM
Subject: [glowbugradio] 6X4 in AN/URM-25D issue?

I pulled out the old AN/URM-25D signal generator last night, and attempted to fire it up.

No RF indication on the meter, although everything seemed to be OK otherwise.

After about 15 minutes, the RF output as indicated on the meter with both pots (microvolts and the other one) all the way up started to rise just barely off the bottom peg.

Connecting the X-200K BNC to my frequency counter, I get a good readout.

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Only the DC output voltage goes away when any kind of a load is put on the power supply...and that DC voltage falls as measured clear back to the cathode of the 6X4...

Nothing anywhere gets overly hot: nothing smells, there are no burnt resistors, all capacitors seem OK.

Thoughts and suggestions?

Ken W7EKB

1522. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 18:12:30 UTC
From: Kenneth G. Gordon
Topic: 1520 Message: 1522

On 23 Feb 2013 at 9:45, Bob Macklin wrote:

> Check the 6X4 for a cathode/heater short.

Ye're right, Mac. It's shot.

Weird. I have never seen this sort of thing before, but then again, I haven't used a 6X4 before either.

Thanks,

I am heading off to one of my storage sheds to get a new one.

Ken W7EKB

1523. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 18:22:04 UTC
From: Bob Macklin
Topic: 1520 Message: 1523

THAT'S THE COMMON FAILURE OF A 6X4!

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Bob Macklin" <macklinbob@...>
Cc: <Glowbugradio@yahoogroups.com>
Sent: Saturday, February 23, 2013 10:12 AM
Subject: Re: [glowbugradio] 6X4 in AN/URM-25D issue?

> On 23 Feb 2013 at 9:45, Bob Macklin wrote:
>
>> Check the 6X4 for a cathode/heater short.
>
> Ye're right, Mac. It's shot.
>
> Weird. I have never seen this sort of thing before, but then again, I
> haven't
> used a 6X4 before either.
>
> Thanks,
>
> I am heading off to one of my storage sheds to get a new one.
>
> Ken W7EKB
>

1524. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 18:25:04 UTC
From: Carl
Topic: 1520 Message: 1524

I doubt the 6X4 is the root cause. Like all old gear they do need to be recapped if you expect good performance and if the 6X4 has been subjected to overcurrent abuse it may be shot also.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Saturday, February 23, 2013 12:41 PM
Subject: [glowbugradio] 6X4 in AN/URM-25D issue?

I pulled out the old AN/URM-25D signal generator last night, and attempted to fire it up.

No RF indication on the meter, although everything seemed to be OK otherwise.

After about 15 minutes, the RF output as indicated on the meter with both pots (microvolts and the other one) all the way up started to rise just barely
off the bottom peg.

Connecting the X-200K BNC to my frequency counter, I get a good readout.

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from the power supply and measuring the voltages, everything measures at the correct voltages, but in connecting the 6-pin connector, the DC voltage drops rapidly and continues to fall toward zero finally stopping at less than 50
volts DC.

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However, this seems odd to me. Could the tube be so very marginal in emission that it would not carry the necessary current, no matter how little was required?

It does light up, as do all of the tubes in the sig gen.

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Nothing anywhere gets overly hot: nothing smells, there are no burnt resistors, all capacitors seem OK.

Thoughts and suggestions?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5625 - Release Date: 02/23/13

1525. Re: [glowbugradio] 6X4 in AN/URM-25D issue!

Yahoo group: glowbugradio
Date: 2013-02-23 18:29:02 UTC
From: Kenneth G. Gordon
Topic: 1520 Message: 1525

On 23 Feb 2013 at 10:22, Bob Macklin wrote:

> THAT'S THE COMMON FAILURE OF A 6X4!

Great!

Now I know. Thanks.

Just for the heck of it, I quickly made up an SS replacement for the 6X4 and plugged the two diodes into the socket.

Result: everything is working perfectly again.

Gee....

Remind me not to use a 6X4 in anything I build in the future...

Ken W7EKB

1526. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 18:39:26 UTC
From: Kenneth G. Gordon
Topic: 1520 Message: 1526

On 23 Feb 2013 at 13:25, Carl wrote:

> I doubt the 6X4 is the root cause. Like all old gear they do need to
> be recapped if you expect good performance and if the 6X4 has been
> subjected to overcurrent abuse it may be shot also.

I had thought of that too, Carl, but the caps in the power supply (4 MFD oil-filled) are all OK.

I quickly made up a simple solid-state replacement for the 6X4 and plugged it into the socket.

Everything then worked as it should.

I'll go over to my storage shed and get a new 6X4WA. I have some over there.

I have a couple of more things to check, but the URM-25D appears to be back in operation.

As soon as I have time, I intend to send this URM-25D off to Ashley in Oregon. She rebuilds them all the time, and does a superb job. I don't have time to deal with it, and I figure she is all set up for it, so why not?

I'll go dig out the 8640B, despite the fact that I really don't have room for it right now.

Besides, I worry about those fragile gears in it. Mine are OK right now, but they are a very common failure mode at this late date. If I lose mine, they are almost impossible to replace. I have no idea where one would find new gears, and then replacing them and getting everything re-aligned is a nightmare.

Thanks,

Ken W7EKB

1527. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 18:53:57 UTC
From: Jim
Topic: 1520 Message: 1527

Ken,

For HP8640B refreshes, checks, and repairs, there's a guy on ebay who does a lot of them.
 If you need anything '8640B related, he's the first one to contact.

wmdino is the name of his store.

See also:

<http://reviews.ebay.com/The-HP-8640B-RF-Signal-Generator?ugid=10000000010610658>

He went through one of my '8640Bs just before I bought it, and I need to send him the other one for a cal touch-up. His usual work is to inspect, lube everything, and touch up the freq., as well as other minor adjustments. He won't do a full NIST-traceable cal, but when he goes through an '8640B, you will know everything that's right and wrong with it.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: glowbugradio@yahoogroups.com
>Sent: Saturday, February 23, 2013 12:39 PM
>Subject: Re: [glowbugradio] 6X4 in AN/URM-25D issue?
>
>[snip]
>
>I'll go dig out the 8640B, despite the fact that I really don't have room for it
>right now.
>
>Besides, I worry about those fragile gears in it. Mine are OK right now, but
>they are a very common failure mode at this late date. If I lose mine, they are
>almost impossible to replace. I have no idea where one would find new
>gears, and then replacing them and getting everything re-aligned is a
>nightmare.
>
>Thanks,
>
>Ken W7EKB
>

1528. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 19:34:09 UTC
From: David C. Hallam
Topic: 1520 Message: 1528

There is someone who makes brass replacement gear sets for 8640B's. If you go over to the hp_aligent_equipment group, I am sure they can steer you to him.

David
KW4DH

On 2/23/2013 1:39 PM, Kenneth G. Gordon wrote:

On 23 Feb 2013 at 13:25, Carl wrote:

> I doubt the 6X4 is the root cause. Like all old gear they do need to
> be recapped if you expect good performance and if the 6X4 has been
> subjected to overcurrent abuse it may be shot also.

I had thought of that too, Carl, but the caps in the power supply (4 MFD oil-filled) are all OK.

I quickly made up a simple solid-state replacement for the 6X4 and plugged it into the socket.

Everything then worked as it should.

I'll go over to my storage shed and get a new 6X4WA. I have some over there.

I have a couple of more things to check, but the URM-25D appears to be back in operation.

As soon as I have time, I intend to send this URM-25D off to Ashley in Oregon. She rebuilds them all the time, and does a superb job. I don't have time to deal with it, and I figure she is all set up for it, so why not?

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Besides, I worry about those fragile gears in it. Mine are OK right now, but they are a very common failure mode at this late date. If I lose mine, they are almost impossible to replace. I have no idea where one would find new gears, and then replacing them and getting everything re-aligned is a nightmare.

Thanks,

Ken W7EKB

--
Before I came here I was confused about this subject. Having listened to your lecture I am still confused. But on a higher level.
Enrico Fermi

1529. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 19:37:52 UTC
From: Carl
Topic: 1520 Message: 1529

There are several other caps in there that are known problems, read Dallas Lankfords page.

Mine acted similar maybe 15 years ago and I went thru it completely thanks to his notes; hasnt been used in about 5 years now. I mainly use a pair of HP-606A's after being very dissapointed with HP-8640B reliability. I save them for VHF/UHF only and as little other use as possible.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 23, 2013 1:39 PM
Subject: Re: [glowbugradio] 6X4 in AN/URM-25D issue?

On 23 Feb 2013 at 13:25, Carl wrote:

> I doubt the 6X4 is the root cause. Like all old gear they do need to
> be recapped if you expect good performance and if the 6X4 has been
> subjected to overcurrent abuse it may be shot also.

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As soon as I have time, I intend to send this URM-25D off to Ashley in Oregon. She rebuilds them all the time, and does a superb job. I don't have time to deal with it, and I figure she is all set up for it, so why not?

I'll go dig out the 8640B, despite the fact that I really don't have room for it right now.

Besides, I worry about those fragile gears in it. Mine are OK right now, but they are a very common failure mode at this late date. If I lose mine, they are almost impossible to replace. I have no idea where one would find new gears, and then replacing them and getting everything re-aligned is a nightmare.

Thanks,

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5625 - Release Date: 02/23/13

1530. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 23:20:50 UTC
From: Kenneth G. Gordon
Topic: 1520 Message: 1530

On 23 Feb 2013 at 14:37, Carl wrote:

> There are several other caps in there that are known problems, read Dallas Lankfords page.

I've got Lankford's notes in my collection of Hollow State Newsletters. I bought them all a long while ago.

The immediate problem here WAS a shot 6X4. I found two 6X4s in my stash: a W and a WA. It is working fine now.

I still need to go through it. I did check those two caps that you mention above, and they are
OK. Calibration on the 30 - 95 KHz band is way off, but all the rest are very close.

> Mine acted similar maybe 15 years ago and I went thru it completely thanks to his notes; hasnt
> been used in about 5 years now. I mainly use a pair of HP-606A's after being very dissapointed
> with HP-8640B reliability. I save them for VHF/UHF only and as little other use as possible.

Well, mine is still over in storage. I'll bring it over here when I have room for it. It was bought
from Fair Radio Sales some time ago, and has always worked well.

I have been watching for an HP-606, but so far, they have been out of my price range.

Thanks, Carl.

Ken W7EKB

1531. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 23:22:03 UTC
From: Kenneth G. Gordon
Topic: 1520 Message: 1531

On 23 Feb 2013 at 14:34, David C. Hallam wrote:

> There is someone who makes brass replacement gear sets for 8640B's. If you go over to the
> hp_aligent_equipment group, I am sure they can steer you to him.
>
> David
> KW4DH

Thanks, David. I'll look 'em up. I would like to get this thing in operation eventually. Right now,
the gears are OK, but I certainly don't trust them to stay working for a long time either.

Ken W7EKB

1532. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 23:23:06 UTC
From: Kenneth G. Gordon
Topic: 1520 Message: 1532

On 23 Feb 2013 at 10:53, Jim wrote:

>
>
> Ken,
>
> For HP8640B refreshes, checks, and repairs, there's a guy on ebay who does a
> lot of them. If you need anything '8640B related, he's the first one to contact.
>
> wmdino is the name of his store.
>
> See also:
>
> <http://reviews.ebay.com/The-HP-8640B-RF-Signal-
> Generator?ugid=10000000010610658>
>
> He went through one of my '8640Bs just before I bought it, and I need to send
> him the other one for a cal touch-up. His usual work is to inspect, lube
> everything, and touch up the freq., as well as other minor adjustments. He won't
> do a full NIST-traceable cal, but when he goes through an '8640B, you will know
> everything that's right and wrong with it.
>
> 73
> Jim N6OTQ

Thanks, Jim. I'll probably look him up. I have enough around here to do without repairing ALL
my test gear before I can use it. ;-)

Ken W7EKB

1533. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-23 23:33:46 UTC
From: David C. Hallam
Topic: 1520 Message: 1533

Ken,

Unless there has be some recent change in the price of HP-606's, they generally go in the range of $50. The 606B is slightly preferable to the 606A, but either one is fine. I paid $45 for my 606B at a ham fest. They probably sell for less than a URM-25D although the 606 is about 3X the size.

David
KW4DH

On 2/23/2013 6:20 PM, Kenneth G. Gordon wrote:

On 23 Feb 2013 at 14:37, Carl wrote:

> There are several other caps in there that are known problems, read Dallas Lankfords page.

I've got Lankford's notes in my collection of Hollow State Newsletters. I bought them all a long while ago.

The immediate problem here WAS a shot 6X4. I found two 6X4s in my stash: a W and a WA. It is working fine now.

I still need to go through it. I did check those two caps that you mention above, and they are
OK. Calibration on the 30 - 95 KHz band is way off, but all the rest are very close.

> Mine acted similar maybe 15 years ago and I went thru it completely thanks to his notes; hasnt
> been used in about 5 years now. I mainly use a pair of HP-606A's after being very dissapointed
> with HP-8640B reliability. I save them for VHF/UHF only and as little other use as possible.

Well, mine is still over in storage. I'll bring it over here when I have room for it. It was bought
from Fair Radio Sales some time ago, and has always worked well.

I have been watching for an HP-606, but so far, they have been out of my price range.

Thanks, Carl.

Ken W7EKB

--
Before I came here I was confused about this subject. Having listened to your lecture I am still confused. But on a higher level.
Enrico Fermi

1534. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-24 00:58:56 UTC
From: Carl
Topic: 1520 Message: 1534

The 606B offers no benefit as a stand alone, the circuit changes are "cosmetic" and cost reduction.
The 8708A synchronizer add on improves stability but the phase noise prevents noise floor MDS measurements in hig end receivers. It was more a production test device for other types of equipment.

Trying to measure the HRO-500 sensitivity specs in production or in the Service Dept. was impossible, we went back to the 606A.

Carl
KM1H

----- Original Message -----
From: David C. Hallam
To: glowbugradio@yahoogroups.com
Cc: Kenneth G. Gordon
Sent: Saturday, February 23, 2013 6:33 PM
Subject: Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Ken,

Unless there has be some recent change in the price of HP-606's, they generally go in the range of $50. The 606B is slightly preferable to the 606A, but either one is fine. I paid $45 for my 606B at a ham fest. They probably sell for less than a URM-25D although the 606 is about 3X the size.

David
KW4DH

On 2/23/2013 6:20 PM, Kenneth G. Gordon wrote:

On 23 Feb 2013 at 14:37, Carl wrote:

> There are several other caps in there that are known problems, read Dallas Lankfords page.

I've got Lankford's notes in my collection of Hollow State Newsletters. I bought them all a long while ago.

The immediate problem here WAS a shot 6X4. I found two 6X4s in my stash: a W and a WA.
It is working fine now.

I still need to go through it. I did check those two caps that you mention above, and they are
OK. Calibration on the 30 - 95 KHz band is way off, but all the rest are very close.

> Mine acted similar maybe 15 years ago and I went thru it completely thanks to his notes; hasnt

> been used in about 5 years now. I mainly use a pair of HP-606A's after being very dissapointed
> with HP-8640B reliability. I save them for VHF/UHF only and as little other use as possible.

Well, mine is still over in storage. I'll bring it over here when I have room for it. It was bought
from Fair Radio Sales some time ago, and has always worked well.

I have been watching for an HP-606, but so far, they have been out of my price range.

Thanks, Carl.

Ken W7EKB

--
Before I came here I was confused about this subject. Having listened to your lecture I am still confused. But on a higher level.
Enrico Fermi

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5625 - Release Date: 02/23/13

1535. Re: [glowbugradio] 6X4 in AN/URM-25D issue?

Yahoo group: glowbugradio
Date: 2013-02-24 01:44:11 UTC
From: Carl
Topic: 1520 Message: 1535

On 23 Feb 2013 at 14:37, Carl wrote:

> There are several other caps in there that are known problems, read Dallas
> Lankfords page.

I've got Lankford's notes in my collection of Hollow State Newsletters. I bought them all a
long while ago.

The immediate problem here WAS a shot 6X4. I found two 6X4s in my stash: a W and a WA.
It is working fine now.

** And as I said earlier the possibility that other circuit problems took out the 6X4 are high. "Working fine" and working to spec could be two completely different things.

I still need to go through it. I did check those two caps that you mention above, and they are
OK. Calibration on the 30 - 95 KHz band is way off, but all the rest are very close.

** There is a small electrolytic and a bunch of paper caps including the infamous Micamold type in a bakelite case. The glass sealed ones have also been failing rapidly as the years go by.

> Mine acted similar maybe 15 years ago and I went thru it completely thanks
> to his notes; hasnt
> been used in about 5 years now. I mainly use a pair of HP-606A's after
> being very dissapointed
> with HP-8640B reliability. I save them for VHF/UHF only and as little
> other use as possible.

Well, mine is still over in storage. I'll bring it over here when I have room for it. It was bought
from Fair Radio Sales some time ago, and has always worked well.

I have been watching for an HP-606, but so far, they have been out of my price range.

** Ive noticed the prices going up on Fleabay and some forums, mine were under $50 at hamfests but that was 3 and about 7 years ago. The URM-25D is anywhere from $100-200 in original condition in many places along with some bargains.
I think many are being scared off by all the negative publicity about the 8640B problems which are a lot more than just the gears and chosing the 606 family and URM-25's..

Those that have the room are finding out how much better they are than the Radio/TV shop junk.

Thanks, Carl.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5625 - Release Date: 02/23/13

1536. HP-606A

Yahoo group: glowbugradio
Date: 2013-02-24 01:57:39 UTC
From: Kenneth G. Gordon
Topic: 1536 Message: 1536

There is one now on FleaBay, but the fellow wants a minimum of $150.00, plus $165.00 to ship it by freight to a residence.

It has a broken knob too.

Gee...

I think I'll just either get my URM-25D fixed, or HAVE it fixed...

It seems as though I am spending an awful lot of time fixing my test gear at this point.

Ken W7EKB

1537. Re: [glowbugradio] HP-606A

Yahoo group: glowbugradio
Date: 2013-02-24 03:14:36 UTC
From: Carl
Topic: 1536 Message: 1537

Subject: [glowbugradio] HP-606A

There is one now on FleaBay, but the fellow wants a minimum of $150.00, plus $165.00 to
ship it by freight to a residence.

It has a broken knob too.

Gee...

** Yikes!

I think I'll just either get my URM-25D fixed, or HAVE it fixed...

It seems as though I am spending an awful lot of time fixing my test gear at this point.

Ken W7EKB

** Thats been the story of my life as far back as National, it was easier to fix on the spot than wait for some doofus from the test equipment repair outfit to wander by and take it, they never seemed to fix anything on site. NOBODY touched my 606A but I wouldnt go near the TEK 585.

Off to bed to awake to xx inches of new snow to plow around the yard.

Carl

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2639/5626 - Release Date: 02/23/13

1538. Re: [glowbugradio] HP-606A

Yahoo group: glowbugradio
Date: 2013-02-24 04:38:47 UTC
From: Kenneth G. Gordon
Topic: 1536 Message: 1538

On 23 Feb 2013 at 22:14, Carl wrote:

> Gee...
>
> ** Yikes!

Yeah...that's what I said too. :-(

> ** Thats been the story of my life as far back as National, it was
> easier to fix on the spot than wait for some doofus from the test
> equipment repair outfit to wander by and take it, they never seemed to
> fix anything on site.

Well, so far, everything I have had to use has had to be at least "touched up". I AM getting my test gear in good shape...at least for a while.

I have yet to repair the Sweep/Function generator so I can do sweep-testing of IFs.

I have my HP scope working fine now, all my lab power supplies, a couple of cheap signal generators, and one good one (the URM-25D), several signal tracers, my Millen GDO, and two AN/PRM-10s, a really decent VTVM, and several multimeters, a couple of capacitance and inductance bridges, a "condenser checker", an very nice Variac.

All I need now is about double the room.

> NOBODY touched my 606A but I wouldnt go near the
> TEK 585.

Too big and too hot.

> Off to bed to awake to xx inches of new snow to plow around the yard.

Cold and clear tonight. We have to drive about 100 miles north tomorrow morning and all the roads are covered with black ice.

Ken

1539. URM-25D issues

Yahoo group: glowbugradio
Date: 2013-02-25 03:46:05 UTC
From: Kenneth G. Gordon
Topic: 1539 Message: 1539

Well, I replaced the 6X4WA with a new Sylvania 6X4W, and used the URM-25D yesterday for several hours.

I turned it off last night.

When I fired it up again today to run some more tests, it had crapped out again with the same symptoms as before...a shot 6X4...

Back to the drawing board...

It is looking as though I am going to have to go through this thing before I try to use it again.

Rats!

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1540. Re: [glowbugradio] URM-25D issues

Yahoo group: glowbugradio
Date: 2013-02-25 15:43:22 UTC
From: Carl
Topic: 1539 Message: 1540

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Sunday, February 24, 2013 10:46 PM
Subject: [glowbugradio] URM-25D issues

Well, I replaced the 6X4WA with a new Sylvania 6X4W, and used the
URM-25D yesterday for several hours.

I turned it off last night.

When I fired it up again today to run some more tests, it had crapped out
again with the same symptoms as before...a shot 6X4...

Back to the drawing board...

It is looking as though I am going to have to go through this thing before I
try
to use it again.

Rats!

Kenneth G. Gordon W7EKB

** Why am I not surprised! Anyone familiar with the 6X4 and 6X5 knows the
symptoms by heart.

Carl

1541. Re: [glowbugradio] URM-25D issues

Yahoo group: glowbugradio
Date: 2013-02-25 16:50:20 UTC
From: Kenneth G. Gordon
Topic: 1539 Message: 1541

On 25 Feb 2013 at 10:43, Carl wrote:

> ** Why am I not surprised! Anyone familiar with the 6X4 and 6X5 knows
> the symptoms by heart.

Well, I have never used one before this. I really don't like rectifier TUBES anyway. Never have. They are too hot and drop too much voltage across them.

I am getting pretty sick of having to fix my test equipment before I can really use it. So far, every darned piece I pulled off the pile to use has had to be worked on.

I dug out my collection of Hollow State Newsletters last night: there were many, many entries in multiple issues concerning the URM-25D, many, but not all, by Dallas Lankford. It is going to take me some time to ferret all those out and get them compiled in one bunch.

You gave me the first clues that my feeling about capacitors in the URM-25D would be a particular problem. Dallas confirmed it too.

So far, I have repaired or restored and recalibrated my HP o'scope, several bits of Heathkit gear (signal tracers, variable regulated HV power supplies, low-voltage power supplies, signal generators, frequency counter, VTVM), two TekTronix scopes, and I don't even remember them all.

Now when I finally need and can use a REAL signal generator, it too needs complete rebuilding.

Rats! I am not a happy camper. :-(

I am going to go over to the storage shed to dig out my HP-8640B. MAYBE, it will work long enough for me to finish this project I am presently working on. It was working just fine when I used it last....about 4 years ago.

I suppose by now the stupid nylon gears have shrunk and cracked...

Ken W7EKB

1542. Re: [glowbugradio] URM-25D issues

Yahoo group: glowbugradio
Date: 2013-02-25 20:20:17 UTC
From: Carl
Topic: 1539 Message: 1542

> On 25 Feb 2013 at 10:43, Carl wrote:
>
>> ** Why am I not surprised! Anyone familiar with the 6X4 and 6X5 knows
>> the symptoms by heart.
>
> Well, I have never used one before this. I really don't like rectifier
> TUBES
> anyway. Never have. They are too hot and drop too much voltage across
> them.

** The 6X4 was used in lots of test equipment from low end junque and up.
Worked fine for 30-50 years until the caps gave out and just be thankful it
didnt take the transformer with it.

>
> I am getting pretty sick of having to fix my test equipment before I can
> really
> use it. So far, every darned piece I pulled off the pile to use has had to
> be
> worked on.

** Well if you didnt rely on stuff that was new when you got of age then you
could complain about all the modern stuff with unobtainium and proprietary
parts that HP and the others are known for,
You might as well buy new from China these days, it likely will outlast both
of us.

>
> I dug out my collection of Hollow State Newsletters last night: there were
> many, many entries in multiple issues concerning the URM-25D, many, but
> not all, by Dallas Lankford. It is going to take me some time to ferret
> all those
> out and get them compiled in one bunch.

** As with anything beware of the articles that may make things worse.
Dallas is a good ole boy, we were in the USN together when his ship, the USS
Independence, collided with the USS Diamond Head, an ammunition ship, after
finishing refueling fom mine, the USS Waccamaw, when the helmsman couldnt
figure out where he was heading; took her bow almost clean off but nothing
blew up and only minor injuries.

> You gave me the first clues that my feeling about capacitors in the
> URM-25D
> would be a particular problem. Dallas confirmed it too.

** Its a mid 50's SG and problems were known in the 80's; yours has been on
borrowed time.

> So far, I have repaired or restored and recalibrated my HP o'scope,
> several
> bits of Heathkit gear (signal tracers, variable regulated HV power
> supplies,
> low-voltage power supplies, signal generators, frequency counter, VTVM),
> two TekTronix scopes, and I don't even remember them all.

** Thats about 1/4 of what Ive refurbed and still have as much to go if I
want everything to work but thankfully much is only for display.

>
> Now when I finally need and can use a REAL signal generator, it too needs
> complete rebuilding.
>
> Rats! I am not a happy camper. :-(
>
> I am going to go over to the storage shed to dig out my HP-8640B. MAYBE,
> it will work long enough for me to finish this project I am presently
> working
> on. It was working just fine when I used it last....about 4 years ago.
>
> I suppose by now the stupid nylon gears have shrunk and cracked...
>

** Or the almost unobtanium output module has failed.
Other than gears, so far mine has just been various PS components and PC
boards/connectors needing the usual reseating. It is popular enough that
support forums exist and saved me many hours of manual reading and level
tracing.

Carl

> Ken W7EKB
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1430 / Virus Database: 2641/5629 - Release Date: 02/24/13
>

1543. Re: [glowbugradio] URM-25D issues

Yahoo group: glowbugradio
Date: 2013-02-26 14:09:12 UTC
From: Bill
Topic: 1539 Message: 1543

www.webervst.com/ccap.html sells a solid-state replacement for the 6X5
for about $20.
Going to a solid-state rectifier is about the only way you're going to
get around the
6x4-6x5 problem.
Bill W0JCL

1544. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-26 18:24:40 UTC
From: John Ruccolo
Topic: 1493 Message: 1544

Carl,

I noticed you knocked the SX-100 but praised the NC-109. Do I detect a little National bias? ;-)

Thanks for info on low LO injection on high bands with SX-25. That's the kind of thing I was looking for.

I agree with you and others who said they liked the NC-100 and NC-200 series receivers better than the SX-24/25. But to be fair to Hallicrafters, the 100s and 200s cost a lot more $$.

The sliding-coil Nationals are among my favorites.

John

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 23, 2013 8:40 AM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

Not very well IMO, about like a S-40 with a barely useful crystal filter;
the copper plated chassis is sort of interesting on a mid level radio that
wasnt carried thru to the high end sets. Certainly no match for a HQ-140X.

Carl
KM1H

I know that the NC-98 is an earlier receiver
and does NOT have the product detector, but
how does it compare to the NC-109?

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* mailto:k2gkk%40hotmail.com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: mailto:glowbugradio%40yahoogroups.com
From: mailto:km1h%40jeremy.mv.com
Date: Fri, 22 Feb 2013 19:42:50 -0500
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

The 109 is miniature tubes and came out in 57. It has always been known as a
good performer, also as a sleeper, and even has a product detector. I found

mine for $50 at Nearfest 2 years ago in excellent shape...its another shelf queen!
Someday Im just going to have to thin the herd.

Carl

----- Original Message -----
From: Bob Macklin
To: mailto:glowbugradio%40yahoogroups.com
Sent: Friday, February 22, 2013 6:39 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

☐
Where did the NC-109 fit? I bought one new about 1960 and used it for about 10 years. Several years ago I bought another one and I still use it occasionally.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

No virus found in this message.
Checked by AVG - http://www.avg.com/
Version: 10.0.1430 / Virus Database: 2639/5624 - Release Date: 02/22/13

1545. Re: [glowbugradio] URM-25D issues

Yahoo group: glowbugradio
Date: 2013-02-26 18:47:48 UTC
From: Carl
Topic: 1539 Message: 1545

Thats a lot of money for almost nothing; mostly all show and little benefit.
It is actually $22 PLUS shipping.

Both tubes are very reliable when run properly and while the early 6X5G pre
WW2 version had failure problems when run hard in high tube count Zeniths,
the GT and WGT are a fine tube. Having worked on hundreds of 6X4, 12X4, and
6X5 equipped auto radios over 5+ decades, I cant think of one failure. The
vibrators and buffer caps went first.

Carl
KM1H

----- Original Message -----
From: Bill
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 26, 2013 9:09 AM
Subject: Re: [glowbugradio] URM-25D issues

www.webervst.com/ccap.html sells a solid-state replacement for the 6X5
for about $20.
Going to a solid-state rectifier is about the only way you're going to
get around the
6x4-6x5 problem.
Bill W0JCL

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5634 - Release Date: 02/26/13

1546. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-26 19:22:42 UTC
From: Carl
Topic: 1493 Message: 1546

Those who know me also know I'll slam some Nationals around even harder. I just call it as I see it from decades of hands on with all brands.

National started medium price competing in 1946 with the NC-57 and NC-173 and did rather well.

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 26, 2013 1:24 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

Carl,

I noticed you knocked the SX-100 but praised the NC-109. Do I detect a little National bias? ;-)

Thanks for info on low LO injection on high bands with SX-25. That's the kind of thing I was looking for.

I agree with you and others who said they liked the NC-100 and NC-200 series receivers better than the SX-24/25. But to be fair to Hallicrafters, the 100s and 200s cost a lot more $$.

The sliding-coil Nationals are among my favorites.

John

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 23, 2013 8:40 AM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

Not very well IMO, about like a S-40 with a barely useful crystal filter; the copper plated chassis is sort of interesting on a mid level radio that wasnt carried thru to the high end sets. Certainly no match for a HQ-140X.

Carl
KM1H

I know that the NC-98 is an earlier receiver
and does NOT have the product detector, but
how does it compare to the NC-109?

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* mailto:k2gkk%40hotmail.com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: mailto:glowbugradio%40yahoogroups.com
From: mailto:km1h%40jeremy.mv.com
Date: Fri, 22 Feb 2013 19:42:50 -0500
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

The 109 is miniature tubes and came out in 57. It has always been known as a good performer, also as a sleeper, and even has a product detector. I found mine for $50 at Nearfest 2 years ago in excellent shape...its another shelf queen!
Someday Im just going to have to thin the herd.

Carl

----- Original Message -----
From: Bob Macklin
To: mailto:glowbugradio%40yahoogroups.com
Sent: Friday, February 22, 2013 6:39 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

☐
Where did the NC-109 fit? I bought one new about 1960 and used it for about 10 years. Several years ago I bought another one and I still use it occasionally.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

No virus found in this message.
Checked by AVG - http://www.avg.com/
Version: 10.0.1430 / Virus Database: 2639/5624 - Release Date: 02/22/13

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5634 - Release Date: 02/26/13

1547. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-26 20:17:12 UTC
From: Kenneth G. Gordon
Topic: 1493 Message: 1547

On 26 Feb 2013 at 10:24, John Ruccolo wrote:

> Carl,
>
> I noticed you knocked the SX-100

My experience with the SX-100 was that it was much too light for what was expected of it.

It was "tinny" and not mechanically robust enough.

Carl confirmed my experiences.

When I used my Elmer's SX-100, the first thing I noticed was it was very mechanically unstable. Patting or jogging the table on which it sat would be very noticeable when listening to a CW or SSB signal. It wobbled all over the place.

Even so, I would like to own one simply because my Elmer had one. His name was Don R. Anderson and he was a very, very good fellow. I can't remember his call.

Ken W7EKB

1548. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-26 21:18:47 UTC
From: Paul Christensen
Topic: 1493 Message: 1548

> When I used my Elmer's SX-100, the first thing I noticed was it was very mechanically unstable.

Ditto. In the early '70s, mechanical instability with my SX-100 had become so bad that my OM and I added foam under the cabinet to dampen vibration. On the upper bands, it nearly took a prayer to ensure that just the slightest knock of the knee to the table would not send it way off frequency. I still have the receiver and cosmetically, it's excellent. Sensitivity is really poor at start-up, then gets better after about 30 minutes or so. No caps or resistors have been changed and both will be targets when I get to it. Twenty years ago, I started to address the problems with tube changes. Today, a tube change is one of the last items on my list to try. Looking back, I now understand the reasons for all the instability, gear backlash, microphonics, etc. My guess is that the SX-100 was probably decent out of the box, but a decade later, instability and component degradation started setting in.

The SX-100 was a good looking receiver but like most Hallicrafters, the SX-100 has a Chevy-grade build and performance. Way too much was asked of these receivers to have general coverage -- and also have rock-solid stability on the ham bands. That took a lot more complex and expensive band-changing schemes that Collins addressed from the beginning. National is better too in many receivers, but not all.

I can't see the SX-88 tuning system being a lot better than the SX-100. Is it?

Paul, W9AC

1549. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-27 02:36:20 UTC
From: Carl
Topic: 1493 Message: 1549

----- Original Message -----
From: Paul Christensen
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 26, 2013 4:18 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

> When I used my Elmer's SX-100, the first thing I noticed was it was very mechanically unstable.

Ditto. In the early '70s, mechanical instability with my SX-100 had become so bad that my OM and I added foam under the cabinet to dampen vibration. On the upper bands, it nearly took a prayer to ensure that just the slightest knock of the knee to the table would not send it way off frequency. I still have the receiver and cosmetically, it's excellent. Sensitivity is really poor at start-up, then gets better after about 30 minutes or so. No caps or resistors have been changed and both will be targets when I get to it. Twenty years ago, I started to address the problems with tube changes. Today, a tube change is one of the last items on my list to try. Looking back, I now understand the reasons for all the instability, gear backlash, microphonics, etc. My guess is that the SX-100 was probably decent out of the box, but a decade later, instability and component degradation started setting in.

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I can't see the SX-88 tuning system being a lot better than the SX-100. Is it?

Paul, W9AC

The SX-100 was what I really wanted in 1957 but several older hams steered me away from it as a poor performer; I dont remember the details but I kept the HQ-129X into the early 60's when I got a 2B. I didnt like that either as it overloaded badly in contests with good antennas.

National had a few dogs too (-;

The SX-88 was pretty much an updated SX-28 in many areas and the early all geared drives were quite nice as was the custom capacitors.

Carl
KM1H

1550. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-27 19:20:48 UTC
From: John Ruccolo
Topic: 1493 Message: 1550

Hey, I don't mind anyone knocking *any* receiver, as long as they do it in a constructive way, and they make fair comparisons (don't compare a receiver that was $400 new to a $100 receiver). I know you guys know what you're talking about; that's why I like it here.

I really like the SX-100, but I must confess that I have never used it for serious ham use, only as a band cruiser -- for that, it's great. I think Hallicrafters "got it right" (for the most part) with the SX-100 -- lots of features, good performance, and good styling all in a reasonably-priced package that you didn't have to strain your back to move around. But I guess it is a bit flimsy, by the standards of that time. As somone once said, "Every receiver is a soldered-together bunch of compromises." I like that line.

Everyone has receivers with which they've had a bad experince. I had an NC-109 (a $10 flea-market purchase) with a *frozen* bandswitch that no amount of spraying or lubricating could cure. I sold it to a friend for that same $10. He unsoldered everything off the switch, removed it, got it moving, put it all back together and it worked fine.

Carl, National was starting to get into lower-priced bandswitched receivers before WW2, but I guess they were not good sellers. (Hallicrafters really domintaed that market pre WW2). Last fall I picked up a nice orginal NC-44. Still haven't tried it yet -- it's in the queue. I'll let you know how it goes.

73,

John

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 26, 2013 9:36 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

----- Original Message -----
From: Paul Christensen
To: mailto:glowbugradio%40yahoogroups.com
Sent: Tuesday, February 26, 2013 4:18 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

> When I used my Elmer's SX-100, the first thing I noticed was it was very mechanically unstable.

Ditto. In the early '70s, mechanical instability with my SX-100 had become so bad that my OM and I added foam under the cabinet to dampen vibration. On the upper bands, it nearly took a prayer to ensure that just the slightest knock of the knee to the table would not send it way off frequency. I still have the receiver and cosmetically, it's excellent. Sensitivity is really poor at start-up, then gets better after about 30 minutes or so. No caps or resistors have been changed and both will be

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The SX-100 was a good looking receiver but like most Hallicrafters, the SX-100 has a Chevy-grade build and performance. Way too much was asked of these receivers to have general coverage -- and also have rock-solid stability on the ham bands. That took a lot more complex and expensive band-changing schemes that Collins addressed from the beginning. National is better too in many receivers, but not all.

I can't see the SX-88 tuning system being a lot better than the SX-100. Is it?

Paul, W9AC

The SX-100 was what I really wanted in 1957 but several older hams steered me away from it as a poor performer; I dont remember the details but I kept the HQ-129X into the early 60's when I got a 2B. I didnt like that either as it overloaded badly in contests with good antennas.

National had a few dogs too (-;

The SX-88 was pretty much an updated SX-28 in many areas and the early all geared drives were quite nice as was the custom capacitors.

Carl
KM1H

1551. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-02-27 23:06:00 UTC
From: Carl
Topic: 1493 Message: 1551

The NC-80 and 81 were such low production sales failures I didnt bother to mention them.
I have both along with the later poor attempts with the NC-44 and NC-46 atho the 46 gets fair use on the BCB as the PP 25L6's or listening to 160-40M AM while having something to eat; the factory speaker sounds nice. Its pretty useless above about 10 MHz

Carl
KM1H
----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Wednesday, February 27, 2013 2:20 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

Hey, I don't mind anyone knocking *any* receiver, as long as they do it in a constructive way, and they make fair comparisons (don't compare a receiver that was $400 new to a $100 receiver). I know you guys know what you're talking about; that's why I like it here.

I really like the SX-100, but I must confess that I have never used it for serious ham use, only as a band cruiser -- for that, it's great. I think Hallicrafters "got it right" (for the most part) with the SX-100 -- lots of features, good performance, and good styling all in a reasonably-priced package that you didn't have to strain your back to move around. But I guess it is a bit flimsy, by the standards of that time. As somone once said, "Every receiver is a soldered-together bunch of compromises." I like that line.

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73,

John

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com

Sent: Tuesday, February 26, 2013 9:36 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

----- Original Message -----
From: Paul Christensen
To: mailto:glowbugradio%40yahoogroups.com
Sent: Tuesday, February 26, 2013 4:18 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

> When I used my Elmer's SX-100, the first thing I noticed was it was very mechanically unstable.

Ditto. In the early '70s, mechanical instability with my SX-100 had become so bad that my OM and I added foam under the cabinet to dampen vibration. On the upper bands, it nearly took a prayer to ensure that just the slightest knock of the knee to the table would not send it way off frequency. I still have the receiver and cosmetically, it's excellent. Sensitivity is really poor at start-up, then gets better after about 30 minutes or so. No caps or resistors have been changed and both will be targets when I get to it. Twenty years ago, I started to address the problems with tube changes. Today, a tube change is one of the last items on my list to try. Looking back, I now understand the reasons for all the instability, gear backlash, microphonics, etc. My guess is that the SX-100 was probably decent out of the box, but a decade later, instability and component degradation started setting in.

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Paul, W9AC

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National had a few dogs too (-;

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Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1430 / Virus Database: 2641/5636 - Release Date: 02/27/13

1552. Re: [glowbugradio] URM-25D issues

Yahoo group: glowbugradio
Date: 2013-03-01 00:43:12 UTC
From: Jim Hill
Topic: 1539 Message: 1552

Hi, Ken and the Group
I worked on my '25D years ago. The 6AX4 was ok,
but the saving was offset in other parts I had to
replace. I had to replace most of the resistors
and capacitors - even the 1N34 diodes.
I used the HSN articles; they are well reading
before you start. As you have probably noticed,
it is too small for easy servicing. Fortunately,
I didn't have the broken feed-thru's or smoked
step attenuator issues he covered, but you could
check them before deciding what to do. It has
some small dial lights that are probably hard to
find today. I purchased some new ones, and keep
them slightly unscrewed unless I need the
illumination. If you are missing one of the
articles, I think I have a complete set of HSN.

Jim

At 07:46 PM 2/24/2013, Kenneth G. Gordon wrote:
>
>
>Well, I replaced the 6X4WA with a new Sylvania 6X4W, and used the
>URM-25D yesterday for several hours.
>
>I turned it off last night.
>
>When I fired it up again today to run some more tests, it had crapped out
>again with the same symptoms as before...a shot 6X4...
>
>Back to the drawing board...
>
>It is looking as though I am going to have to go
>through this thing before I try
>to use it again.
>
>Rats!
>
>Kenneth G. Gordon W7EKB
>
>"Courage is being scared to death but saddling up anyway."--- John Wayne
>
>

1553. Re: [glowbugradio] URM-25D issues

Yahoo group: glowbugradio
Date: 2013-03-01 01:13:35 UTC
From: Jim
Topic: 1539 Message: 1553

"HSN"? I think I'm missing something here.

73
Jim N6OTQ

>_____
> From: Jim Hill <slimjimwas@...>
>To: glowbugradio@yahoogroups.com
>Sent: Thursday, February 28, 2013 6:43 PM
>Subject: Re: [glowbugradio] URM-25D issues
>
>Hi, Ken and the Group
>I worked on my '25D years ago. The 6AX4 was ok, but the saving was offset in other parts I had to replace. I had to replace most of the resistors and capacitors - even the 1N34 diodes.
>I used the HSN articles; they are well reading before you start. As you have probably noticed, it is too small for easy servicing. Fortunately, I didn't have the broken feed-thru's or smoked step attenuator issues he covered, but you could check them before deciding what to do. It has some small dial lights that are probably hard to find today. I purchased some new ones, and keep them slightly unscrewed unless I need the illumination. If you are missing one of the articles, I think I have a complete set of HSN.
>
>Jim

1554. Re: [glowbugradio] URM-25D issues

Yahoo group: glowbugradio
Date: 2013-03-01 01:17:30 UTC
From: Kenneth G. Gordon
Topic: 1539 Message: 1554

On 28 Feb 2013 at 17:13, Jim wrote:

> "HSN"? I think I'm missing something here.
>
> 73
> Jim N6OTQ

HSN= Hollow State News.

Ken W7EKB

1555. WTB

Yahoo group: glowbugradio
Date: 2013-03-01 01:46:08 UTC
From: Hiroki
Topic: 1539 Message: 1555

I am looking for WWII Japanese military radios and accessories, dead or alive.

Hiroki
AH6CY, ex-JA4AAO
>

1556. BC 453 b

Yahoo group: glowbugradio
Date: 2013-03-01 07:59:29 UTC
From: ell_magic
Topic: 1556 Message: 1556

Hi Chaps ,,,

I have finally, found a BC 453 b in very good condition,
this is the first one iv manged to acquire ,,,

Could any one tell me of any quality mods for this set
eg; a good agc or maybe P d cct,,.

Im trying to keep Mods to a Minimum, tho....

My intention is to use it as a second IF chain for my other
old receivers that use single conversion at 455kc ..,
as well as a receiver in its own rite ...

I will have to swap out the flower pot caps of course ...

.....

I have been reading the recent posts regarding filter caps
and rectifiers..

here is an interesting article that touches on that subject..

scroll down to .. Rectifier replacements
http://archive.siliconchip.com.au/cms/A_101781/article.html

Its an interesting lil read anyway...

Has any one tried to put say a 1 amp fuse on "each" leg of the
filter caps (then to earth) so that if/when they expire/short,
minimal damage would result ..??

Iv often wondered...

Cheers Astro...

1557. Re: BC 453 b

Yahoo group: glowbugradio
Date: 2013-03-01 14:15:14 UTC
From: Martin
Topic: 1556 Message: 1557

Astro,

Here is a link to some information on the BC-453 that may be helpful. The link is a ZIP file that contains several files. It's kind of big, about 80 MBytes, but that's mostly because of the schematic and layout.

http://www.k7mem.com/manuals/BC-453_Info.zip
<http://www.k7mem.com/manuals/BC-453_Info.zip>

The copy of GE Ham News (SepOct1960) has some information on adding a AVC and an audio amp. There are two issues of 73 magazine that contain conversion articles on the BC-453. There is also a article named NoviceQ5er.pdf, which details a conversion for a novice receiver. I also included a redraw of the BC-453 schematic and layout, in high resolution JPG format.

The "flower pot caps" are mostly used for bypassing and coupling. There may not be any issues with them. But if there is, they should be relatively to replace with something more modern.

Good luck with your unit. Those old BC units are fun to work.

Martin - K7MEM

--- In glowbugradio@yahoogroups.com, "ell_magic" <ell_magic@...> wrote:
>
>
>
> Hi Chaps ,,,
>
> I have finally, found a BC 453 b in very good condition,
> this is the first one iv manged to acquire ,,,
>
> Could any one tell me of any quality mods for this set
> eg; a good agc or maybe P d cct,,.
>
> Im trying to keep Mods to a Minimum, tho....
>
> My intention is to use it as a second IF chain for my other
> old receivers that use single conversion at 455kc ..,
> as well as a receiver in its own rite ...
>
> I will have to swap out the flower pot caps of course ...
>
> ....
>
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> and rectifiers..
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> here is an interesting article that touches on that subject..
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> http://archive.siliconchip.com.au/cms/A_101781/article.html
>
> Its an interesting lil read anyway...
>
>
> Has any one tried to put say a 1 amp fuse on "each" leg of the
> filter caps (then to earth) so that if/when they expire/short,
> minimal damage would result ..??
>
> Iv often wondered...
>
>
> Cheers Astro...
>

1558. Re: [glowbugradio] BC 453 b

Yahoo group: glowbugradio
Date: 2013-03-01 17:34:53 UTC
From: Kenneth G. Gordon
Topic: 1556 Message: 1558

On 1 Mar 2013 at 7:59, ell_magic wrote:

> Hi Chaps ,,,
>
> I have finally, found a BC 453 b in very good condition,

Oh, dear...

> this is the first one iv manged to acquire ,,,

You should have asked here: I have a number which are NOT in "very good condition" but are most suitable for continued or additional hacking.

> Could any one tell me of any quality mods for this set
> eg; a good agc or maybe P d cct,,.

Quality mods? Well, now that is a difficult question.

I have recently been attempting to "restore" a BC-454 (3 - 6 MHz version) receiver which had been "modified" according to two different articles which had been published "back in the day" in either CQ magazine or another. This receiver was supposedly modified to tune from 28 - 30 MHz. It had never been finished, and neither of the two articles in question had, apparently, included any testing of the completed hack.

I have spent the better part of two months corecting the errors from the original "mods".

> Im trying to keep Mods to a Minimum, tho....

If your receiver is really "in very good condtion" I would strongly urge you to please NOT hack it, but to trade it to some collector for at least one, and possibly two, previously hacked receivers. Receivers "in very good condition" are getting almost impossible to find.

> My intention is to use it as a second IF chain for my other
> old receivers that use single conversion at 455kc ..,
> as well as a receiver in its own rite ...

Believe me, there have been literally thousands of "Q-5ers" made from those receivers over the years, and finding a previously hacked one, which would be quite suitable for your uses, should be very easy.

> I will have to swap out the flower pot caps of course ...

That depends on many factors, not the least of which is what B+ voltage you intend to use with it. Those capacitors were rated at 250 VDC in the early models, then at 300 VDC in somewhat later models. Even so, after 70+

years, all are more than likely bad.

It is not necessary to run those receivers on 250 V B+. I run mine at 170 VDC and there is no loss of sensitivity or stability.

However, before you connect B+ to the receiver, you should check and test each section of each flower pot.

Also, depending on how badly hacked your receiver is (I shudder to think you are going to hack a pristine example), there are several components you can remove as they are not needed unless you intend to run the receiver on a dynamotor. Removing those components, and replacing all the can-caps with 0.047 MFD 400 VDC metalized film caps will give you an immense amount of room below deck to do all manner of valuable (for ham purposes) mods, but those mods must be worthwhile.

I can tell you which components are not needed if you wish that information.

Someone else here has posted information on mods. I have not yet looked at those, but I can tell you that any mods from either the original "Surplus Conversion Manuals" (Vols 1, 2, and 3) or the "Command Sets" book, are fraught with problems. Most have never been properly tested and IMHO are no more than "kludges".

There ARE a few mods that have been thoroughly tested and can make a big difference in the operation of those receivers when done properly, but judicious choice of the proper ones is required.

There are some very simple mods that can be done (or RE-done) to make the BC-453 completely useable. These are installation of a headphone jack, an RF gain control and a BFO on/off switch, and attachment of an external power supply.

These are the minimal mods necessary to get them in operation.

It is NOT generally necessary to rewire the filaments for all parallel connection, nor to remove the power connector on the back panel nor the dyanmotor mount and connection. The external power supply can be easily connected at the dynamotor mount by using an old dynamotor base as a connector.

24 VAC transformers for the filaments are easily available from Radio Shack.

Unscrewing the caps on the tops of the IF cans and CAREFULLY (they can be badly stuck) pulling all three fibre rods UP to their top stop will result in a very narrow passband, so narrow that it will cut audio sidebands from AM signals.

You MAY have to align them after the 70 years of their existence, but that is generally trivial.

In most cases, you do NOT need to add another audio stage. The 300 (in early models) or 400 mW of audio output is more than enough to drive an

efficient external speaker to painful levels of sound.

Audio output impedance varies somewhat between models. Early models had a 4K ohm output impedance. Later models had a 300 or 600 ohm tap on the audio output transformer. By moving one wire, that would be what you would get. However, you will have to use a 500 or 600 ohm to 8 ohm transformer externally to connect to an 8 ohm speaker.

I use a Radio Shack 4" square CB speaker with a RS 1K CT to 8 ohm transformer mounted inside it to connect to my "ARC-5" receivers. I can literally rattle the windows in my shack with it.

I have some tested mods available for those receivers, but again, I urge you to NOT hack a pristine example. There are plenty of previously hacked receivers out there that are perfectly suitable for further hacking and use.

FYI, the BC-453 and R-23/ARC-5 MF versions make excellent receivers for use at the new 630 meter band.

One can generally find previously hacked, but substantially complete receivers for sale or even for free at various venues.

Hacked but usable ones are common on eBay for example, some selling for as low as $5.

My mods include RF and AF gain controls, a variable IF selectivity control, triode product detector, an SSB suitable AGC, and an audio limiter stage.

Other possibly mods are a dual-triode mixer (some who have tried this have not detected discernible improvement), changing the RF amp tube, and one or more IF amp tubes to a 12SG7 or even a 12SH7 for lower noise, etc.

There are other "tweaks" one can make to those receivers to enhance weak signal reception.

After all, they were purposely designed to NOT desense when another airplane was on your wing.

Ken W7EKB

1559. Re: [glowbugradio] BC 453 b

Yahoo group: glowbugradio
Date: 2013-03-02 15:30:36 UTC
From: astro boy
Topic: 1556 Message: 1559

Hi Ken..

Oh, dear...

You should have asked here: I have a number which are NOT in "very good condition" but are most suitable for continued or additional hacking.

>>> Ohh ok i will send you a pm some time an see what cooks :)

Quality mods? Well, now that is a difficult question.

I have recently been attempting to "restore" a BC-454 (3 - 6 MHz version) receiver which had been "modified" according to two different articles which had been published "back in the day" in either CQ magazine or another. This receiver was supposedly modified to tune from 28 - 30 MHz. It had never been finished, and neither of the two articles in question had, apparently, included any testing of the completed hack.

I have spent the better part of two months corecting the errors from the original "mods".

>> Yes that was my concern and why i asked there on this reflector...
     That why i wanted simple ones that were easily corrected if necessary....

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    >>Yes that is what i am thinking now,, Minimal mods just to get it going ,
     >on/off   volume an a bfo switch ....

Believe me, there have been literally thousands of "Q-5ers" made from those receivers over the years, and finding a previously hacked one, which would be quite suitable for your uses, should be very easy.

   >>Yes that would seem a better road to travel and i have a good one
  >> for cross reference also...   wiring etc...

That depends on many factors, not the least of which is what B+ voltage you intend to use with it. Those capacitors were rated at 250 VDC in the early models, then at 300 VDC in somewhat later models. Even so, after 70+ years, all are more than likely bad.

 It is not necessary to run those receivers on 250 V B+. I run mine at 170 VDC and there is no loss of sensitivity or stability.

>>>Yes a sound idea ...   I have heard of them running on less that that also...

However, before you connect B+ to the receiver, you should check and test
each section of each flower pot.

>> I will test them before i apply any serious voltage ....

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of room below deck to do all manner of valuable (for ham purposes) mods,
but those mods must be worthwhile.

>>Well,, if i have to   i must ..... replace them if they are dodgy , i don't think i
will be able to repack the old ones, as they are crimped shut, id probably
wreck them trying to clean them out ....

>>   I will just restore this one to its original condition im thinking now...
well as much a possible to original ...

I can tell you which components are not needed if you wish that information.

>> Yes sure , do tell , i don't have a dynamotor anyway...

Someone else here has posted information on mods. I have not yet looked
at those, but I can tell you that any mods from either the original "Surplus
Conversion Manuals" (Vols 1, 2, and 3) or the "Command Sets" book, are
fraught with problems. Most have never been properly tested and IMHO are
no more than "kludges".

>>>   That's very interesting,,   and valuable information, time is valuable
here also...

There ARE a few mods that have been thoroughly tested and can make a
big difference in the operation of those receivers when done properly, but
judicious choice of the proper ones is required.

> If you have the information,, id be happy to receive it ... :-)

There are some very simple mods that can be done (or RE-done) to make
the BC-453 completely useable. These are installation of a headphone jack,
an RF gain control and a BFO on/off switch, and attachment of an external
power supply.

These are the minimal mods necessary to get them in operation.

> That s what i was also thinking..
My set is very clean and should be easy to fit those items...

It is NOT generally necessary to rewire the filaments for all parallel
connection, nor to remove the power connector on the back panel nor the
dyanmotor mount and connection. The external power supply can be easily
connected at the dynamotor mount by using an old dynamotor base as a

connector.

>> Yes im not going to rewire the heaters ... i will leave it a original as i can...

>   Sorry no dyno mount on this one, i'l have to fabricate an alloy base
>   for a pwr supply ...

24 VAC transformers for the filaments are easily available from Radio Shack.

> Im sure i can dig one up in my junk box..... of get one from Jacar ...
    Rat shack is no longer with us here...

Unscrewing the caps on the tops of the IF cans and CAREFULLY (they can
be badly stuck) pulling all three fibre rods UP to their top stop will result in a
very narrow passband, so narrow that it will cut audio sidebands from AM
signals.

 >> I have lightly greased the thread already ,, Wow is it really that sharp :)

You MAY have to align them after the 70 years of their existence, but that is
generally trivial.

>Ok ... my bc 221 will manage that job ..

In most cases, you do NOT need to add another audio stage. The 300 (in
early models) or 400 mW of audio output is more than enough to drive an
efficient external speaker to painful levels of sound.

>Agreed,   I'm not that deaf Yet lol... :-)   my wife would dispute that at
    times,, i call it "Selective" hearing, Heeeee.

Audio output impedance varies somewhat between models. Early models
had a 4K ohm output impedance. Later models had a 300 or 600 ohm tap on
the audio output transformer. By moving one wire, that would be what you
would get. However, you will have to use a 500 or 600 ohm to 8 ohm
transformer externally to connect to an 8 ohm speaker.

> its missing the xformer , but i have a contact that is chasing one up for me..
    they must fail on a regular basis ??

I use a Radio Shack 4" square CB speaker with a RS 1K CT to 8 ohm
transformer mounted inside it to connect to my "ARC-5" receivers. I can
literally rattle the windows in my shack with it.

>>Exactly,,, i will leave the audio section standard , only replace the 12a6
     if it is low on emissions...

I have some tested mods available for those receivers, but again, I urge you
to NOT hack a pristine example. There are plenty of previously hacked
receivers out there that are perfectly suitable for further hacking and use.

> I wont hack it ,, however they are really scarce in this neck of the woods ...
      so far anyway.....

FYI, the BC-453 and R-23/ARC-5 MF versions make excellent receivers for
use at the new 630 meter band.

> ok, I'll have to do some scanning when it back on deck ...

One can generally find previously hacked, but substantially complete
receivers for sale or even for free at various venues.

> I'v never really come across ant in my travels but i will put out some feelers
in that directing and see what pop up ... I May get lucky ??

Hacked but usable ones are common on eBay for example, some selling for
as low as $5.

> i will keep my eyes peeled , its the freight that's is the thorn in the side
and i believe its going up again in Usa ...

My mods include RF and AF gain controls, a variable IF selectivity control,
triode product detector, an SSB suitable AGC, and an audio limiter stage.

> Id really like that information in my files for the Next one i do that will
be moded ....

Other possibly mods are a dual-triode mixer (some who have tried this have
not detected discernible improvement), changing the RF amp tube, and one
or more IF amp tubes to a 12SG7 or even a 12SH7 for lower noise, etc.

>> that would be an RF mxr or a PD mxr ????
I'll probably leave the RF MXr alone but just run it at a lil lower voltage
to quieten it down a bit...

There are other "tweaks" one can make to those receivers to enhance weak
signal reception.

> I'm happy to swap out a valve or two on my nxt one to be moded

After all, they were purposely designed to NOT desense when another
airplane was on your wing.

>> :)

Ken W7EKB

Thank you ken ....

Martin - K7MEM thank you also for the information that you sent

I haven't read it all as yet , but it is interesting that on the later models they
continued to perfect the agc , tho the article actually showed ant ccts ,,,

I will continue the reading ......

Cheers All..
Astro...

1560. WTB: WWII Japanese military radios

Yahoo group: glowbugradio
Date: 2013-03-02 15:51:07 UTC
From: Hiroki Kato
Topic: 1556 Message: 1560

Dead or alive. Also accessories. If you know of anyone who has those radios, please let me know.

TNX es 73,

Hiroki
AH6CY

1561. Re: [glowbugradio] BC 453 b

Yahoo group: glowbugradio
Date: 2013-03-02 15:52:28 UTC
From: astro boy
Topic: 1556 Message: 1561

You MAY have to align them after the 70 years of their existence, but that is generally trivial.

>Ok ... my bc 221 will manage that job ..

>> Correction,,, No it wont,,, it only goes down to 125 kc ... ??

Luckily my "advance electronics" sig gen type B4B does go down to 30 khz

Phew ..

1562. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-03-03 04:22:33 UTC
From: John Ruccolo
Topic: 1493 Message: 1562

Carl,

You don't like my SX-100. You don't like my NC-44. You're giving me a complex. ;-)

Strange thing about NC-80/81 -- they made a big deal out of eliminating the power transformer, but they kept the (expensive) sliding-coil mechanism. Go figure....

I like the NC-46 too. It's kinda cool looking. "It's pretty useless above about 10 MHz." IMHO, what entry-level receiver is not? Well, maybe 15 MHz.

About the URM-25 -- I have an F model -- it works fine for about an 45-60 minutes. Then the modulation dies. It's very consistent. Any ideas? I have not had a change to troubleshoot it. It's in the queue....in the meantime, I'll stick with the 606A. BTW, I have a 1980 HP catalog, and to my amazement the 606B is in there. Thought it would have been long-discontinued by then. Only $4,500 for either rack mount or tabletop.

73,

John

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Wednesday, February 27, 2013 6:06 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

The NC-80 and 81 were such low production sales failures I didnt bother to mention them.
I have both along with the later poor attempts with the NC-44 and NC-46 atho the 46 gets fair use on the BCB as the PP 25L6's or listening to 160-40M AM while having something to eat; the factory speaker sounds nice. Its pretty useless above about 10 MHz

Carl
KM1H
----- Original Message -----
From: John Ruccolo
To: mailto:glowbugradio%40yahoogroups.com
Sent: Wednesday, February 27, 2013 2:20 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

Hey, I don't mind anyone knocking *any* receiver, as long as they do it in a constructive way, and they make fair comparisons (don't compare a receiver that was $400 new to a $100 receiver). I know you guys know what you're talking about; that's why I like it here.

I really like the SX-100, but I must confess that I have never used it for serious ham use, only as a band cruiser -- for that, it's great. I think

Hallicrafters "got it right" (for the most part) with the SX-100 -- lots of features, good performance, and good styling all in a reasonably-priced package that you didn't have to strain your back to move around. But I guess it is a bit flimsy, by the standards of that time. As somone once said, "Every receiver is a soldered-together bunch of compromises." I like that line.

Everyone has receivers with which they've had a bad experince. I had an NC-109 (a $10 flea-market purchase) with a *frozen* bandswitch that no amount of spraying or lubricating could cure. I sold it to a friend for that same $10. He unsoldered everything off the switch, removed it, got it moving, put it all back together and it worked fine.

Carl, National was starting to get into lower-priced bandswitched receivers before WW2, but I guess they were not good sellers. (Hallicrafters really domintaed that market pre WW2). Last fall I picked up a nice orginal NC-44. Still haven't tried it yet -- it's in the queue. I'll let you know how it goes.

73,

John

From: Carl mailto:km1h%40jeremy.mv.com>
To: mailto:glowbugradio%40yahoogroups.com
Sent: Tuesday, February 26, 2013 9:36 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

----- Original Message -----
From: Paul Christensen
To: mailto:glowbugradio%40yahoogroups.com
Sent: Tuesday, February 26, 2013 4:18 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

> When I used my Elmer's SX-100, the first thing I noticed was it was very mechanically unstable.

Ditto. In the early '70s, mechanical instability with my SX-100 had become so bad that my OM and I added foam under the cabinet to dampen vibration. On the upper bands, it nearly took a prayer to ensure that just the slightest knock of the knee to the table would not send it way off frequency. I still have the receiver and cosmetically, it's excellent. Sensitivity is really poor at start-up, then gets better after about 30 minutes or so. No caps or resistors have been changed and both will be targets when I get to it. Twenty years ago, I started to address the problems with tube changes. Today, a tube change is one of the last items on my list to try. Looking back, I now understand the reasons for all the instability, gear backlash, microphonics, etc. My guess is that the SX-100 was probably decent out of the box, but a decade later, instability and component degradation started setting in.

The SX-100 was a good looking receiver but like most Hallicrafters, the SX-100 has a Chevy-grade build and performance. Way too much was asked of these receivers to have general coverage -- and also have rock-solid stability on the ham bands. That took a lot more complex and expensive band-changing schemes that Collins addressed from the beginning. National is better too in many receivers, but not all.

I can't see the SX-88 tuning system being a lot better than the SX-100. Is it?

Paul, W9AC

The SX-100 was what I really wanted in 1957 but several older hams steered me away from it as a poor performer; I dont remember the details but I kept the HQ-129X into the early 60's when I got a 2B. I didnt like that either as it overloaded badly in contests with good antennas.

National had a few dogs too (-;

The SX-88 was pretty much an updated SX-28 in many areas and the early all geared drives were quite nice as was the custom capacitors.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5636 - Release Date: 02/27/13

1563. Re: [glowbugradio] SX-25 two-part article in Electric Radio

Yahoo group: glowbugradio
Date: 2013-03-03 14:06:27 UTC
From: Carl
Topic: 1493 Message: 1563

Carl,

You don't like my SX-100. You don't like my NC-44. You're giving me a complex. ;-)

** I dont like mine either so its nothing personal (-;

Strange thing about NC-80/81 -- they made a big deal out of eliminating the power transformer, but they kept the (expensive) sliding-coil mechanism. Go figure....

** James Millen wasnt the brightest bulb when it came to marketing.

I like the NC-46 too. It's kinda cool looking. "It's pretty useless above about 10 MHz." IMHO, what entry-level receiver is not? Well, maybe 15 MHz.

** I dont understand the logic of no RF stage in that price range but that radio was 1930's thinking from holdovers who would soon be ejected by new owners in 47 who gave us the NC-57, etc. Im sure the NC-46 performed better than a S-38 but not a S-20R/S-40.

About the URM-25 -- I have an F model -- it works fine for about an 45-60 minutes. Then the modulation dies. It's very consistent. Any ideas? I have not had a change to troubleshoot it. It's in the queue....in the meantime, I'll stick with the 606A.

** The same as I mentioned to Ken a weeek or so ago for the 25D, and start replacing caps, even the glass sealed ones...anything that says paper or the 120uF 25V electrolytic. The modulation level pot may also be open, dead tubes; follow the manual trouble shooting chart.

BTW, I have a 1980 HP catalog, and to my amazement the 606B is in there. Thought it would have been long-discontinued by then. Only $4,500 for either rack mount or tabletop.

73,

** Me too, but HP didnt have much else to offer then either. Their SS synthesized models had way too much phase noise to be useful for many requirements.

Carl

John

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com
Sent: Wednesday, February 27, 2013 6:06 PM

Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

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I have both along with the later poor attempts with the NC-44 and NC-46 atho the 46 gets fair use on the BCB as the PP 25L6's or listening to 160-40M AM while having something to eat; the factory speaker sounds nice. Its pretty useless above about 10 MHz

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KM1H
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Sent: Tuesday, February 26, 2013 9:36 PM
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To: mailto:glowbugradio%40yahoogroups.com
Sent: Tuesday, February 26, 2013 4:18 PM
Subject: Re: [glowbugradio] SX-25 two-part article in Electric Radio

> When I used my Elmer's SX-100, the first thing I noticed was it was very mechanically unstable.

Ditto. In the early '70s, mechanical instability with my SX-100 had become so bad that my OM and I added foam under the cabinet to dampen vibration. On the upper bands, it nearly took a prayer to ensure that just the slightest knock of the knee to the table would not send it way off frequency. I still have the receiver and cosmetically, it's excellent. Sensitivity is really poor at start-up, then gets better after about 30 minutes or so. No caps or resistors have been changed and both will be targets when I get to it. Twenty years ago, I started to address the problems with tube changes. Today, a tube change is one of the last items on my list to try. Looking back, I now understand the reasons for all the instability, gear backlash, microphonics, etc. My guess is that the SX-100 was probably decent out of the box, but a decade later, instability and component degradation started setting in.

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National had a few dogs too (-;

The SX-88 was pretty much an updated SX-28 in many areas and the early all geared drives were quite nice as was the custom capacitors.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5636 - Release Date: 02/27/13

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1430 / Virus Database: 2641/5643 - Release Date: 03/02/13

1564. an/urm-25d

Yahoo group: glowbugradio
Date: 2013-03-05 13:18:09 UTC
From: kf9wv@att.net
Topic: 1564 Message: 1564

Have been reading about the 25d and was wondering if the notes from Dallas Lankfords were published? I'm going through mine at this time and any other info would be appreciated. So far replaced the 6x4 and all others checked good,getting ready to tackle the caps.Thanks George KF9WV

1565. Re: [glowbugradio] an/urm-25d

Yahoo group: glowbugradio
Date: 2013-03-05 15:11:25 UTC
From: Carl
Topic: 1564 Message: 1565

Gee, a simple Google had many hits such as this one.
http://www.wb6nvh.com/DATA/DATA.htm

Carl

----- Original Message -----
From: kf9wv@...
To: glowbugradio@yahoogroups.com
Sent: Tuesday, March 05, 2013 8:18 AM
Subject: [glowbugradio] an/urm-25d

Have been reading about the 25d and was wondering if the notes from Dallas Lankfords were published? I'm going through mine at this time and any other info would be appreciated. So far replaced the 6x4 and all others checked good,getting ready to tackle the caps.Thanks George KF9WV

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5647 - Release Date: 03/04/13

1566. HP-8640B

Yahoo group: glowbugradio
Date: 2013-03-07 06:36:43 UTC
From: Kenneth G. Gordon
Topic: 1566 Message: 1566

OK. I dug it out of storage, put it up on the bench and fired it up.

Counter reads all zeros. Fan noisy so I oiled it.

All RF output and modulation adjustments and meter readings appear to work ok.

Left it plugged in and turned on and went to dinner.

Returned to the bench and now the counter is working.

Used it for an hour or two to check a receiver.

Counter suddenly locks up, then reads double or triple the actual output frequency, then reverts to all zeros again.

Everything else is still working as it should.

Connected the output to my bench top frequency counter, and output frequency shows exactly what the sig gen's counter showed before it quit.

I can tune the sig gen up and down frequency as shown on the bench counter, and the RF and modulation all works as it should.

Ideas?

Ken W7EKB

1567. Re: [glowbugradio] HP-8640B

Yahoo group: glowbugradio
Date: 2013-03-07 16:52:43 UTC
From: Carl
Topic: 1566 Message: 1567

Clean and reseat various boards and connectors.There are several 8640B sites.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, March 07, 2013 1:36 AM
Subject: [glowbugradio] HP-8640B

OK. I dug it out of storage, put it up on the bench and fired it up.

Counter reads all zeros. Fan noisy so I oiled it.

All RF output and modulation adjustments and meter readings appear to
work ok.

Left it plugged in and turned on and went to dinner.

Returned to the bench and now the counter is working.

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frequency shows exactly what the sig gen's counter showed before it quit.

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counter, and the RF and modulation all works as it should.

Ideas?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5652 - Release Date: 03/06/13

1568. Re: [glowbugradio] HP-8640B

Yahoo group: glowbugradio
Date: 2013-03-07 17:17:46 UTC
From: Ed Cartwright
Topic: 1566 Message: 1568

Sounds like the time base may be intermittent or marginal. Try cycling the internal / external switch on the rear panel. You can also run it with an external 5mc time base. This will either eliminate or point to the time base as the source of the problem.

73 Ed N6MMW

On Wed, Mar 6, 2013 at 10:36 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

> **
>
>
> OK. I dug it out of storage, put it up on the bench and fired it up.
>
> Counter reads all zeros. Fan noisy so I oiled it.
>
> All RF output and modulation adjustments and meter readings appear to
> work ok.
>
> Left it plugged in and turned on and went to dinner.
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> frequency, then reverts to all zeros again.
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> Everything else is still working as it should.
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> Connected the output to my bench top frequency counter, and output
> frequency shows exactly what the sig gen's counter showed before it quit.
>
> I can tune the sig gen up and down frequency as shown on the bench
> counter, and the RF and modulation all works as it should.
>
> Ideas?
>
> Ken W7EKB
>
>

1569. More on the HP-8640B

Yahoo group: glowbugradio
Date: 2013-03-08 00:43:08 UTC
From: Kenneth G. Gordon
Topic: 1569 Message: 1569

Actually, I was sorta wrong: mine isn't an HP-8640B: it is the military version with Option 003. AN/USM-323.

There are no controls to change the resolution of the readout, nor an external input for the 5 MHz oscillator, and a few other bits are missing.

So, I pulled the counter module, cleaned the interconnect "block" at the left end and reinstalled it.

Tightening that piece of "hard-line" miniature coax which connects to the oscillator is difficult without some sort of right-angle wrench, but I managed.

Still no joy.

Readout shows 00.0000

When I pulled the cover off the counter module, as I loosened the far left-hand front cover screw, the counter jumped to 28.476. Tightening and loosening that screw made the readout change from 00.0000 to some frequency and back.

Loosening ALL the screws made the readout jump to 31.5__7_, then to all zeros again.

Hmmm....says I. The extender board was inside the generator, so I unbolted it and used it to extend the readout board so I could check the test points.

Those labeled 5 VDC read awfully close to 5 VDC. The 3 V one reads awfully close to 3 V, there is plenty of signal coming from the oscillator, the TP that reads 4 - 8 MHz exhibits a strong signal on the scope, the CLOCK test point shows a very fine and steady square wave output.

Looking the board over carefully I can see nothing out of the ordinary.

Reading the service manual on Service Sheet 16, it appears that MAYBE U-3 has one of its leads grounded.

Back to the bench.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1570. AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 02:44:11 UTC
From: Kenneth G. Gordon
Topic: 1570 Message: 1570

Well.....so far, I have been through three different manuals. All are "close, but no cigar".

The counter in mine is kinda weird: there are a whole lot fewer chips in mine than in those I see in the service manuals.

Right now, the stupid thing is counting the clock oscillator: 5.1257 MHz.

Rats!

I found a service manual on Agilent's website for the 8640M. This is much closer to my AN/USM-323, but it ain't quite there yet.

I am about to yank the clock board to see if something under it is screwy.

Dunno where to look next for a manual....

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1571. Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 02:59:26 UTC
From: Ed Cartwright
Topic: 1570 Message: 1571

Ken, Ken, Ken,
makes it hard to follow the thread when you keep changing the subject line,
HI !

Sounds like you are hot on the trail. Keep flexing and cleaning. I
presume you cycled all the front panel controls over and over and over.

Is SigGen output OK and only counter mode giving trouble?

I share your frustration about finding a manual that matches the hardware.
It boggles the mind how HP could build 10,000 of one model and have no two
be alike!

Keep at it, you can beat it into submission---

73 Ed N6MMW

1572. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 03:11:42 UTC
From: Kenneth G. Gordon
Topic: 1570 Message: 1572

On 7 Mar 2013 at 18:59, Ed Cartwright wrote:

> Ken, Ken, Ken,
> makes it hard to follow the thread when you keep changing the subject
> line, HI !

Yes. Frustrating as heck, isn't it? Gee.....

> Sounds like you are hot on the trail. Keep flexing and cleaning. I
> presume you cycled all the front panel controls over and over and
> over.

Damned near wore them out....

> Is SigGen output OK and only counter mode giving trouble?

Yes. I also ran into another fellow who was selling one exactly like mine for $50. His counter acts exactly like mine. Obviously there was a flaw in the design somewhere.

> I share your frustration about finding a manual that matches the
> hardware.
> It boggles the mind how HP could build 10,000 of one model and have
> no two be alike!

Exactly!

Well, while I was working at the University of Idaho as their Electronic Instrument Specialist, I had to spend many hours tracking down the CORRECT manuals for the things I had to fix. I suppose I can do that again.

> Keep at it, you can beat it into submission---

Yeah....with a very large hammer...

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1573. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 03:18:37 UTC
From: Charles MacDonald
Topic: 1570 Message: 1573

On 13-03-07 09:59 PM, Ed Cartwright wrote:
>
>
> Ken, Ken, Ken,
> makes it hard to follow the thread when you keep changing the subject
> line, HI !
>
> Sounds like you are hot on the trail. Keep flexing and cleaning. I
> presume you cycled all the front panel controls over and over and over.
>
> Is SigGen output OK and only counter mode giving trouble?
>
> I share your frustration about finding a manual that matches the
> hardware. It boggles the mind how HP could build 10,000 of one model
> and have no two be alike!

There is a folk on E-bay that lists a scanned version..
AN/USM-323
http://www.ebay.com/itm/HP-8640M-SIGNAL-GEN-OPS-SERVICE-MANUAL-USM-323-/370105851116

But I wonder if the "official version might be an A/N tech manual.
Fair radio has this item at 65 Dollars
MM-USM-323 - Maintenance Manual AN/USM-323. Sometimes called opt
323, (HP-8640B opt H-95). Manual is TO 33A1-8-684-1, (TM-07570A-15) Repro,
$65.00 each

I am not finding either of those numbers on Google however.

> Keep at it, you can beat it into submission---
>
> 73 Ed N6MMW
>
>
>

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1574. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 03:43:58 UTC
From: Kenneth G. Gordon
Topic: 1570 Message: 1574

On 7 Mar 2013 at 22:18, Charles MacDonald wrote:

> There is a folk on E-bay that lists a scanned version..
> AN/USM-323
> http://www.ebay.com/itm/HP-8640M-SIGNAL-GEN-OPS-SERVICE-MANUAL-USM-323
> -/370105851116

I have seen that, but I am not at all sure it covers my particular device. I may talk with him anyway...

> But I wonder if the "official version might be an A/N tech manual.

It is.

> Fair radio has this item at 65 Dollars MM-USM-323 - Maintenance
> Manual AN/USM-323. Sometimes called opt 323, (HP-8640B opt H-95).
> Manual is TO 33A1-8-684-1, (TM-07570A-15) Repro, $65.00 each

That IS the correct manual, but Heavens to Murgatroyd, that is a lot of dough for a manual. I may have to do it anyway...

Thanks,

Ken

1575. BC 453 b

Yahoo group: glowbugradio
Date: 2013-03-08 08:57:50 UTC
From: ell_magic
Topic: 1556 Message: 1575

Hi Kenneth G. Gordon W7EKB

I "finally" found your web site concerning the BC 453

and the bonus was the info on the BC 221 sig genny

so now i can look at a restoration job for my BC 453 ...

I hope you are winning with you hp sig gen... :)
cheers ...
A....

1576. Re: [glowbugradio] AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 13:23:12 UTC
From: Carl
Topic: 1570 Message: 1576

I have it on a CD disc Ken.

It is T.O 33A1-8-684-1 (TM-07570A-15). 1 June 1976, Change 13 1 October 1986.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, March 07, 2013 9:44 PM
Subject: [glowbugradio] AN/USM-323 (HP-8640M?) Service Manual needed.

Well.....so far, I have been through three different manuals. All are "close, but no cigar".

The counter in mine is kinda weird: there are a whole lot fewer chips in mine than in those I see in the service manuals.

Right now, the stupid thing is counting the clock oscillator: 5.1257 MHz.

Rats!

I found a service manual on Agilent's website for the 8640M. This is much closer to my AN/USM-323, but it ain't quite there yet.

I am about to yank the clock board to see if something under it is screwy.

Dunno where to look next for a manual....

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

---

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5654 - Release Date: 03/07/13

1577. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 13:34:04 UTC
From: Ed Cartwright
Topic: 1570 Message: 1577

> Is SigGen output OK and only counter mode giving trouble?

Yes. I also ran into another fellow who was selling one exactly like mine for
$50. His counter acts exactly like mine. Obviously there was a flaw in the design somewhere.

Intermittent operation after 50+ years is not much of a design problem. Rather, it seems that the counter section has a lower MTBF than the SigGen section.

Please clarify: is the counter bad in both INTERNAL and EXTERNAL count mode? If it works in INTERNAL mode counting the SigGen freq then that points to the control logic and gating circuitry. Tough to troubleshoot without a proper roadmap.

Your background is enough like mine that I doubt I have much to offer about troubleshooting HI. BTW I was one of the troops in RVN who was lucky enough to get a MARS phone patch!

73 Ed N6MMW

1578. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 15:14:06 UTC
From: Carl
Topic: 1570 Message: 1578

Opt 323 does not offer an Ext Counter feature.

Carl
KM1H

----- Original Message -----
From: Ed Cartwright
To: glowbugradio@yahoogroups.com
Sent: Friday, March 08, 2013 8:34 AM
Subject: Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

> Is SigGen output OK and only counter mode giving trouble?

Yes. I also ran into another fellow who was selling one exactly like mine for
$50. His counter acts exactly like mine. Obviously there was a flaw in the design somewhere.

Intermittent operation after 50+ years is not much of a design problem. Rather, it seems that the counter section has a lower MTBF than the SigGen section.

Please clarify: is the counter bad in both INTERNAL and EXTERNAL count mode? If it works in INTERNAL mode counting the SigGen freq then that points to the control logic and gating circuitry. Tough to troubleshoot without a proper roadmap.

Your background is enough like mine that I doubt I have much to offer about troubleshooting HI. BTW I was one of the troops in RVN who was lucky enough to get a MARS phone patch!

73 Ed N6MMW

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5654 - Release Date: 03/07/13

1579. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 16:12:04 UTC
From: Kenneth G. Gordon
Topic: 1570 Message: 1579

On 8 Mar 2013 at 10:14, Carl wrote:

> Opt 323 does not offer an Ext Counter feature.

Correct.

Also, no external clock input or clock output either.

Kind of a bare-bones generator.

Ken W7EKB

1580. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 16:23:04 UTC
From: Kenneth G. Gordon
Topic: 1570 Message: 1580

On 8 Mar 2013 at 5:34, Ed Cartwright wrote:

> > Is SigGen output OK and only counter mode giving trouble?
>
> Yes. I also ran into another fellow who was selling one exactly like
> mine for $50. His counter acts exactly like mine. Obviously there was
> a flaw in the design somewhere.

Actually, I went back and looked at the seller's ad: he wants $25.00 for it.

> Intermittent operation after 50+ years is not much of a design
> problem.
> Rather, it seems that the counter section has a lower MTBF than the
> SigGen
> section.

Yes. I agree.

>
> Please clarify: is the counter bad in both INTERNAL and EXTERNAL
> count mode? If it works in INTERNAL mode counting the SigGen freq
> then that points to the control logic and gating circuitry. Tough to
> troubleshoot without a proper roadmap.

As Carl pointed out the Option 323 has no external counter connection, among other things. It is kind of a stripped down 8640B that has been ruggedized. The closest civilian model is the 8640M, but even that one is different than the 323.

The internal counter won't work. When first fired up, the counter will show 00.0000. After an hour or so, it MIGHT begin to read properly. Then after another hour or so, it will lock up, then go back to 00.0000 again.

When removing the top cover of the counter while it was on, as I loosened the far right screw nearest the front panel, it began to count properly again for a moment, then locked up again.

Alternately tightening and loosening that screw would cause the counter to count, then not count, etc.

I used my scope and multimeter to test some test points. The 5 MHz clock is putting out a nice square wave, and all the voltage test points test within proper limits....as far as I can see. The "STROBE" test point shows nothing.

> Your background is enough like mine that I doubt I have much to offer
> about troubleshooting HI. BTW I was one of the troops in RVN who was

> lucky enough to get a MARS phone patch!

I was very happy to be of service to you folks. I only wish I could have continued to help long afterwards.

vy 73,

Ken W7EKB

1581. Re: [glowbugradio] AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 16:24:44 UTC
From: Kenneth G. Gordon
Topic: 1570 Message: 1581

On 8 Mar 2013 at 8:23, Carl wrote:

> I have it on a CD disc Ken.
>
> It is T.O 33A1-8-684-1 (TM-07570A-15). 1 June 1976, Change 13 1
> October 1986.
>
> Carl
> KM1H

Thanks, Carl. I think I may have found that one from Artekmedia. I'll know more today.

Ken

1582. Re: [glowbugradio] BC 453 b

Yahoo group: glowbugradio
Date: 2013-03-08 16:28:36 UTC
From: Kenneth G. Gordon
Topic: 1556 Message: 1582

On 8 Mar 2013 at 8:57, ell_magic wrote:

> Hi Kenneth G. Gordon W7EKB
>
> I "finally" found your web site concerning the BC 453
>
> and the bonus was the info on the BC 221 sig genny
>
> so now i can look at a restoration job for my BC 453 ...
>
> I hope you are winning with you hp sig gen... :)
> cheers ...
> A....

I was thinking of you yesterday while in the midst of my present woes. I have a lot of other stuff to send you.

You will begin receiving a bunch of PDFs and othe info via direct e-mail in the very near future.

I apologize for taking so long to answer, but as they say, when you are up to your ass in alligators....etc.

Take care, and good luck on your BC-453.

Ken W7EKB

1583. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 17:37:37 UTC
From: Ed Cartwright
Topic: 1570 Message: 1583

>>Opt 323 does not offer an Ext Counter feature.<<

Oh....
I should know better than to try to work from memory HI !

73 Ed N6MMW

1584. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 21:30:10 UTC
From: Carl
Topic: 1570 Message: 1584

It is similar to the very early 8640B

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Friday, March 08, 2013 11:12 AM
Subject: Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

On 8 Mar 2013 at 10:14, Carl wrote:

> Opt 323 does not offer an Ext Counter feature.

Correct.

Also, no external clock input or clock output either.

Kind of a bare-bones generator.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5654 - Release Date: 03/07/13

1585. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 22:34:55 UTC
From: Kenneth G. Gordon
Topic: 1570 Message: 1585

On 8 Mar 2013 at 16:30, Carl wrote:

> It is similar to the very early 8640B

The closest civilian version appears to be the 8640M.

Ken

1586. Re: [glowbugradio] Re: AN/USM-323 (HP-8640M?) Service Manual needed.

Yahoo group: glowbugradio
Date: 2013-03-08 23:38:41 UTC
From: Carl
Topic: 1570 Message: 1586

HP-8640M?) Service Manual needed.

On 8 Mar 2013 at 16:30, Carl wrote:

> It is similar to the very early 8640B

The closest civilian version appears to be the 8640M.

Ken

** Which I believe is just a 323 for the civvy market at lower cost.
The actual B went thru several revisions and wasnt phase locked either at
first.

Carl

1587. Re: [glowbugradio] BC 453 b

Yahoo group: glowbugradio
Date: 2013-03-09 08:00:58 UTC
From: astro boy
Topic: 1556 Message: 1587

`

From: Kenneth G. Gordon <kgordon2006@...>

I was thinking of you yesterday while in the midst of my present woes. I have
a lot of other stuff to send you.

You will begin receiving a bunch of PDFs and othe info via direct e-mail in
the very near future.

I apologize for taking so long to answer, but as they say, when you are up to
your ass in alligators....etc.

Take care, and good luck on your BC-453.

Ken W7EKB

Ken,,

That's ok,   i know you have been hard at it ,,, with your projects,,
If it was a quieter time for you , it may have been easier ,,,
But when does it ever happen like that,,,   : -)   it's the Alligator

Scenario all over again....

Ken i am thanking in advance for the information that you will

send, in the near time ..

And for your encouragement ,, this one will be a restro just to
bring it back to as near as possible, to original ..
The next one will be purpose built for performance and usability..

Cheerio for now,,
Astro..

1588. HP-8640B Opt 323 fixed

Yahoo group: glowbugradio
Date: 2013-03-12 00:55:55 UTC
From: Kenneth G. Gordon
Topic: 1588 Message: 1588

At the advice of someone at Electronics Revisited who specializes in the HP-8640B, I dismantled the readout board, and removed this large aluminum "bar-stock" that is mounted just in back of the dot-matrix LEDs, then reinstalled both the LEDs and the readout.

Other than the fact that I have one bad digit that partially craps out as soon as it warms up,
everything is working as it should.

According to the fellow who e-mailed me (several times) shorts from various bits to various parts of the two circuit boards in that area are more than "common". The "bar-stock" was warped a bit. I'm going to do whatever it takes to get it "un-shorted" and will then reassemble
the entire generator.

I re-zeroed the 5 MHz clock oscillator. It was off several 10s of Hz at 5 MHz.

Would anyone know 1) what, exactly, is this dot-matrix LED thingy, and 2) where to get one?

It has HP part numbers on it and a date code, but nothing decipherable.

I'm not even sure what kind of dot matrix it is: 5 X 7, 6 X 8, 8 X 8, or something different.

Ken W7EKB

1589. Dot-matrix LED display chip for HP-8640B

Yahoo group: glowbugradio
Date: 2013-03-12 03:10:23 UTC
From: Kenneth G. Gordon
Topic: 1589 Message: 1589

So, it is a 5 X 7 display, red, with a left hand decimal point. Now made by Avago. It is their
model HDSP-0761.

Trouble is: 1) no one I deal with has one, and 2) they cost $30 each.

Poop....:-(

Ken W7EKB

1590. Taylor TZ40 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-12 13:52:44 UTC
From: K8JRM
Topic: 1590 Message: 1590

Hello,

I have two TZ40s that I would like to test and need test settings for either a TV-7 or Hickok 800.

I have been unsuccessful at finding this information on the Internet! Does anybody have any testing information? Or, can point me in the right direction to find it.

73,

Tom. K8JRM

1591. Fwd: Taylor TZ40 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-12 16:45:41 UTC
From: K8JRM
Topic: 1591 Message: 1591

My original question to the group turns out to be a pretty dumb one! While going through the TV-7 test data (TB 11-6625-274-12/1), I noticed a T40 on page 51. I believe that the T40 and the TZ40 are basically the same tube.

To answer my own question, the test date is:
Filament - 7.5
Selector - ER3-0000
BIAS - 0
RANGE - B
PRESS - 3
MIN - 30
CAP connected to plate

Sorry for the waste of your time,

Tom

>Date: Tue, 12 Mar 2013 08:52:44 -0500
>To: glowbugradio@yahoogroups.com
>From: K8JRM <k8jrm@...>
>Subject: Taylor TZ40 TV-7 test settings?
>
>
>Hello,
>
>I have two TZ40s that I would like to test and need test settings
>for either a TV-7 or Hickok 800.
>
>I have been unsuccessful at finding this information on the
>Internet! Does anybody have any testing information? Or, can point
>me in the right direction to find it.
>
>73,
>
>Tom. K8JRM

1592. Re: [glowbugradio] Fwd: Taylor TZ40 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-12 16:09:41 UTC
From: mac
Topic: 1591 Message: 1592

Similar but not quite the same. The TZ-40 was a zero is tube intended for class B modulator service although Taylor provided class C specs for it too. The T-40 was intended primarily for class C RF use. In use the biasing is different and so the settings on your tube tester would be different for the two tubes. Generally speaking, however, the only good test for transmitting and high power audio tubes is to plug them into an operating circuit, audio or RF and see if they perform according to specifications. As Sibley points out "a tube tester is simply a guide to the usefulness of a tube. In earlier times it was a handy sales tool, a scientific-appearing device helping convince the customer that a new tube was required." (Tube Lore, 1996)

Dennis D. W7QHO
Glendale, CA

On Mar 12, 2013, at 9:45 AM, K8JRM wrote:

> My original question to the group turns out to be a pretty dumb
> one! While going through the TV-7 test data (TB 11-6625-274-12/1), I
> noticed a T40 on page 51. I believe that the T40 and the TZ40 are
> basically the same tube.
>
> To answer my own question, the test date is:
> Filament - 7.5
> Selector - ER3-0000
> BIAS - 0
> RANGE - B
> PRESS - 3
> MIN - 30
> CAP connected to plate
>
> Sorry for the waste of your time,
>
> Tom
>
> >Date: Tue, 12 Mar 2013 08:52:44 -0500
> >To: glowbugradio@yahoogroups.com
> >From: K8JRM <k8jrm@...>
> >Subject: Taylor TZ40 TV-7 test settings?
> >
> >
> >Hello,
> >
> >I have two TZ40s that I would like to test and need test settings
> >for either a TV-7 or Hickok 800.
> >

> >I have been unsuccessful at finding this information on the
> >Internet! Does anybody have any testing information? Or, can point
> >me in the right direction to find it.
> >
> >73,
> >
> >Tom. K8JRM
>
>

1593. Re: [glowbugradio] Fwd: Taylor TZ40 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-12 18:04:46 UTC
From: Carl
Topic: 1591 Message: 1593

The T-40 is the Taylor version of the 812.

Carl
KM1H

----- Original Message -----
From: mac
To: glowbugradio@yahoogroups.com
Cc: fkarner@...
Sent: Tuesday, March 12, 2013 12:09 PM
Subject: Re: [glowbugradio] Fwd: Taylor TZ40 TV-7 test settings?

Similar but not quite the same. The TZ-40 was a zero is tube intended for class B modulator service although Taylor provided class C specs for it too. The T-40 was intended primarily for class C RF use. In use the biasing is different and so the settings on your tube tester would be different for the two tubes. Generally speaking, however, the only good test for transmitting and high power audio tubes is to plug them into an operating circuit, audio or RF and see if they perform according to specifications. As Sibley points out "a tube tester is simply a guide to the usefulness of a tube. In earlier times it was a handy sales tool, a scientific-appearing device helping convince the customer that a new tube was required." (Tube Lore, 1996)

Dennis D. W7QHO
Glendale, CA

On Mar 12, 2013, at 9:45 AM, K8JRM wrote:

My original question to the group turns out to be a pretty dumb one! While going through the TV-7 test data (TB 11-6625-274-12/1), I noticed a T40 on page 51. I believe that the T40 and the TZ40 are basically the same tube.

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RANGE - B
PRESS - 3
MIN - 30
CAP connected to plate

Sorry for the waste of your time,

Tom

>Date: Tue, 12 Mar 2013 08:52:44 -0500
>To: glowbugradio@yahoogroups.com
>From: K8JRM <k8jrm@...>
>Subject: Taylor TZ40 TV-7 test settings?
>
>
>Hello,
>
>I have two TZ40s that I would like to test and need test settings
>for either a TV-7 or Hickok 800.
>
>I have been unsuccessful at finding this information on the
>Internet! Does anybody have any testing information? Or, can point
>me in the right direction to find it.
>
>73,
>
>Tom. K8JRM

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5666 - Release Date: 03/12/13

1594. Jul 1943 QST Who Killed the Signal page or pages missing

Yahoo group: glowbugradio
Date: 2013-03-12 19:47:01 UTC
From: Jim Larsen
Topic: 1594 Message: 1594

Jul 1943 QST Who Killed the Signal - conclusion.

Can anyone scan and email me the final pages of this article? The ARRL copy seems to be missing the last page or so of the article.

Article starts on page 52 and is continued on page 74. The page or pages after 74 are missing.

My friend and OT, KL7BGZ, Neil, stayed up late to read the article (mystery) and the end of the story was missing. Poor guy. :-)

And thank you.

73, Jim
--
Jim Larsen, AL7FS
Anchorage Alaska
907-345-3190
http://www.AL7FS.us/

1595. Re: [glowbugradio] Jul 1943 QST Who Killed the Signal page or pages missing

Yahoo group: glowbugradio
Date: 2013-03-12 20:05:41 UTC
From: oldradio@...
Topic: 1594 Message: 1595
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Jim,

I found it on line, last page of the PDF.

73, John Dilks, K2TQN

-.-

----- Original Message -----
From: "Jim Larsen" <jimlarsen2002@alaska.net>
To: glowbugradio@yahoogroups.com
Sent: Tuesday, March 12, 2013 3:47:01 PM
Subject: [glowbugradio] Jul 1943 QST Who Killed the Signal page or pages missing

Jul 1943 QST Who Killed the Signal - conclusion.

Can anyone scan and email me the final pages of this article? The ARRL
copy seems to be missing the last page or so of the article.

Article starts on page 52 and is continued on page 74. The page or
pages after 74 are missing.

My friend and OT, KL7BGZ, Neil, stayed up late to read the article
(mystery) and the end of the story was missing. Poor guy. :-)

And thank you.

73, Jim
--
Jim Larsen, AL7FS
Anchorage Alaska
907-345-3190
http://www.AL7FS.us/

1596. Re: [glowbugradio] Taylor TZ40 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-12 20:18:18 UTC
From: Kenneth G. Gordon
Topic: 1590 Message: 1596

On 12 Mar 2013 at 8:52, K8JRM wrote:

> Hello,
>
> I have two TZ40s that I would like to test and need test settings for
> either a TV-7 or Hickok 800.
>
> I have been unsuccessful at finding this information on the Internet!
> Does anybody have any testing information? Or, can point me in the
> right direction to find it.

Isn't the TZ-40 very similar to the 811A?

The "Z" in the name means "zero bias".

The "40" means 40 watts plate dissipationt.

"T" of course means "Triode".

I'll bet Carl would be able to give us the straight skinny on it...

In the meantime, the following page has a downloadable PDF of the 1945
Taylor catalog.

http://www.triodeel.com/images/taylor.pdf

Although the TZ-40 is not listed in the table of contents, there is a very
detailed description of it on page 10 of the PDF.

Filament is 7.5 V at 3 amps.

I have an NOS T-20 here which is the cutest little transmitting tube I have in
the collection.

Ken W7EKB

1597. Re: [glowbugradio] Fwd: Taylor TZ40 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-12 20:28:15 UTC
From: Kenneth G. Gordon
Topic: 1591 Message: 1597

On 12 Mar 2013 at 11:45, K8JRM wrote:

> My original question to the group turns out to be a pretty dumb
> one! While going through the TV-7 test data (TB 11-6625-274-12/1), I
> noticed a T40 on page 51. I believe that the T40 and the TZ40 are
> basically the same tube.

No. As someone (Dennis?) pointed out, the "Z" version is a zero-bias version.

The TZ-40 is very much like the 811, and has very close to identical specs except for the filament voltage.

> Sorry for the waste of your time,

Not a waste of our time. This sort of thing if fun for many of us.

Ken W7EKB

1598. Re: [glowbugradio] Jul 1943 QST Who Killed the Signal page or pages missing

Yahoo group: glowbugradio
Date: 2013-03-12 21:26:34 UTC
From: Jim Larsen
Topic: 1594 Message: 1598

Hmmmm... Thank you, John. That must mean that the page 74 stuff is the end, I guess. I did have that from the ARRL download. It seem like the page 74 material left it up in the air a bit but maybe that was the whole idea.

I will let Neil(KL7BGZ) know.

73, Jim

Jim Larsen, AL7FS
Anchorage Alaska
907-345-3190
http://www.AL7FS.us/

On 3/12/2013 12:05 PM, oldradio@... wrote:
> Hi Jim,
>
> I found it on line, last page of the PDF.
>
> 73, John Dilks, K2TQN
>

1599. Re: [glowbugradio] Jul 1943 QST Who Killed the Signal page or pages missing

Yahoo group: glowbugradio
Date: 2013-03-12 22:58:36 UTC
From: oldradio@...
Topic: 1594 Message: 1599
Attachments: 1 described; binary payloads are missing from this source WARC

OK Jim,

Glad to help.

Good on the Boatanchors!

73, John Dilks, K2TQN
Retired July 2000, Western Electric, AT&T, Lucent - 38 years - CO Installation #1ESS & Toll - NJ, PA, NY

-.-

----- Original Message -----
From: "Jim Larsen" <jimlarsen2002@...>
To: oldradio@...
Cc: glowbugradio@yahoogroups.com
Sent: Tuesday, March 12, 2013 5:26:34 PM
Subject: Re: [glowbugradio] Jul 1943 QST Who Killed the Signal page or pages missing

Hmmmm... Thank you, John. That must mean that the page 74 stuff is the
end, I guess. I did have that from the ARRL download. It seem like the
page 74 material left it up in the air a bit but maybe that was the
whole idea.

I will let Neil(KL7BGZ) know.

73, Jim

Jim Larsen, AL7FS
Anchorage Alaska
907-345-3190
http://www.AL7FS.us/

On 3/12/2013 12:05 PM, oldradio@... wrote:
> Hi Jim,
>
> I found it on line, last page of the PDF.
>
> 73, John Dilks, K2TQN
>

1600. Re: [glowbugradio] Taylor TZ40 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-13 01:26:25 UTC
From: Carl
Topic: 1590 Message: 1600

The TZ-40 tests as the 811 with a 7.5V filament, not the 811A.
The T-40 tests as an 812 as above and not a 812A.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: K8JRM ; glowbugradio@yahoogroups.com
Sent: Tuesday, March 12, 2013 4:18 PM
Subject: Re: [glowbugradio] Taylor TZ40 TV-7 test settings?

On 12 Mar 2013 at 8:52, K8JRM wrote:

> Hello,
>
> I have two TZ40s that I would like to test and need test settings for
> either a TV-7 or Hickok 800.
>
> I have been unsuccessful at finding this information on the Internet!
> Does anybody have any testing information? Or, can point me in the
> right direction to find it.

Isn't the TZ-40 very similar to the 811A?

The "Z" in the name means "zero bias".

The "40" means 40 watts plate dissipationt.

"T" of course means "Triode".

I'll bet Carl would be able to give us the straight skinny on it...

In the meantime, the following page has a downloadable PDF of the 1945
Taylor catalog.

http://www.triodeel.com/images/taylor.pdf

Although the TZ-40 is not listed in the table of contents, there is a very
detailed description of it on page 10 of the PDF.

Filament is 7.5 V at 3 amps.

I have an NOS T-20 here which is the cutest little transmitting tube I have in
the collection.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5666 - Release Date: 03/12/13

1601. Re: [glowbugradio] Taylor TZ40 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-13 16:15:02 UTC
From: David Hollander
Topic: 1590 Message: 1601

Since we are on the subject of Taylor tubes, what is a Taylor T-125 and what is is it equivalent to so I can test it?

Tnx and 73,

Dave N7RK

--
****
Dave N7RK Boatanchors Home Page: http://n7rk.com
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

1602. Re: [glowbugradio] Taylor T-125 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-13 16:28:27 UTC
From: Kenneth G. Gordon
Topic: 1590 Message: 1602

On 13 Mar 2013 at 9:15, David Hollander wrote:

> Since we are on the subject of Taylor tubes, what is a Taylor T-125
> and what is it equivalent to so I can test it?

According to the PDF copy I have of the Taylor catalog of 1945, the T-125 is meant to replace the 203A.

"In order to replace an 03A type of tube with the T125 it will only be necessary to replace the grid and plate connections and to re-neutralize"

Physically, it looks like an 810. Plate connection to the top, grid connection to a side-terminal.

It has a carbon anode with "accellerating fins" attached.

Interelectrode capacitances are lower than for the 203A, and it has a higher plate dissipation rating than the 203A, but otherwise, its characteristics are identical.

Here is another bit from the catalog:

"For some time there has been a need for a high frequency tube to replace tubes of the 203A type with the absolute minimum of changes in the transmitter. The T125 fills the need in a most satisfactory manner."

Etc.

Ken W7EKB

1603. Re: [glowbugradio] Taylor T-125 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-13 18:48:10 UTC
From: Carl
Topic: 1590 Message: 1603

On 13 Mar 2013 at 9:15, David Hollander wrote:

> Since we are on the subject of Taylor tubes, what is a Taylor T-125
> and what is it equivalent to so I can test it?

According to the PDF copy I have of the Taylor catalog of 1945, the T-125 is meant to replace the 203A.

"In order to replace an 03A type of tube with the T125 it will only be necessary to replace the grid and plate connections and to re-neutralize"

Physically, it looks like an 810. Plate connection to the top, grid connection to
a side-terminal.

It has a carbon anode with "accellerating fins" attached.

Interelectrode capacitances are lower than for the 203A, and it has a higher plate dissipation rating than the 203A, but otherwise, its characteristics are
identical.

Here is another bit from the catalog:

"For some time there has been a need for a high frequency tube to replace tubes of the 203A type with the absolute minimum of changes in the transmitter. The T125 fills the need in a most satisfactory manner."

Etc.

Ken W7EKB

** The 203A had a reputation of poor seals and was used in many AM BCB rigs so it was Taylor to the rescue. I gave up trying to find two good ones and used 211A/VT-4 in the "Yooper".

Carl
KM1H

1604. Re: [glowbugradio] Taylor T-125 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-13 19:11:27 UTC
From: Kenneth G. Gordon
Topic: 1590 Message: 1604

On 13 Mar 2013 at 14:48, Carl wrote:

> ** The 203A had a reputation of poor seals and was used in many AM BCB
> rigs so it was Taylor to the rescue. I gave up trying to find two good
> ones and used 211A/VT-4 in the "Yooper".

So, what, exactly, is the "Yooper"?

Ken W7EKB

1605. Re: [glowbugradio] Taylor T-125 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-13 20:19:27 UTC
From: Kenneth G. Gordon
Topic: 1590 Message: 1605

On 13 Mar 2013 at 15:10, Robert Nickels wrote:

> On 3/13/2013 2:11 PM, Kenneth G. Gordon wrote:
> > So, what, exactly, is the "Yooper"?
>
> Dis here tells you all about da Yoopers:
> http://dayoopers.com/whatwher.html
>
>
> 73 Bob W9RAN

Haw haw! That's neat! :-)

But I don't think that was what Carl meant...

Ken W7EKB

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1606. RE: [glowbugradio] Taylor T-125 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-13 20:25:25 UTC
From: D C _Mac_ Macdonald
Topic: 1590 Message: 1606

That's what I have long understood to be the meaning of "yoopers."
And I do NOT live there or want to live there!

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: Glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Wed, 13 Mar 2013 13:19:27 -0700
Subject: Re: [glowbugradio] Taylor T-125 TV-7 test settings?

On 13 Mar 2013 at 15:10, Robert Nickels wrote:

> On 3/13/2013 2:11 PM, Kenneth G. Gordon wrote:
> > So, what, exactly, is the "Yooper"?
>
> Dis here tells you all about da Yoopers:
> http://dayoopers.com/whatwher.html
>
>
> 73 Bob W9RAN

Haw haw! That's neat! :-)

But I don't think that was what Carl meant...

Ken W7EKB

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1607. Re: [glowbugradio] Taylor T-125 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-13 20:56:34 UTC
From: Carl
Topic: 1590 Message: 1607

The PP 211's I had on 80M about 2 1/2 years of intermittent use and confirmed DXCC with it. Actually it sounded pretty good after some stabilizing enhancements. I told you about it a few times Im sure.

Carl

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: "Carl" <km1h@...>; <Glowbugradio@yahoogroups.com>
Sent: Wednesday, March 13, 2013 3:11 PM
Subject: Re: [glowbugradio] Taylor T-125 TV-7 test settings?

> On 13 Mar 2013 at 14:48, Carl wrote:
>
>> ** The 203A had a reputation of poor seals and was used in many AM BCB
>> rigs so it was Taylor to the rescue. I gave up trying to find two good
>> ones and used 211A/VT-4 in the "Yooper".
>
> So, what, exactly, is the "Yooper"?
>
> Ken W7EKB
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1430 / Virus Database: 2641/5669 - Release Date: 03/13/13
>

1608. HP-8640B Opt. 323 some other questions

Yahoo group: glowbugradio
Date: 2013-03-13 22:31:45 UTC
From: Kenneth G. Gordon
Topic: 1608 Message: 1608

I've noticed that this thing is a bit "leaky" in that at low levels of signal output, generally 1
microvolt or below, the signal as heard in an attached receiver doesn't seem to reduce in level much.

This leakage became far less after I had reinstalled all the various shields and boxes around
the bits I had been working on, and seemed to reduce even further once I had the top and bottom covers back on and solidly screwed down.

But does anyone know just how "leaky" they are, and what, if anything, can one do about it?

Does this leakage make the readings of receiver sensitivity suspect, and if so, how bad is it?

Lastly, what sort of problems can I expect by leaving it on 24/7/365?

My Option 323 unit is now working very well indeed, and I am glad I took the time to try to fix
it.

The switches in it are all phenolic types, not those later ones which are made of clear plastic,
and the gears are all complete, in good shape, and not split.

The only complaint I have with it at this point is that it takes up almost an entire acre on my
bench top. I am not sure what to do about that, although I have seriously thought about either
standing it on its right side, or mounting it UNDER one of the upper shelves.

I would also simply love to cut that front panel down all around to the level of the unit and get
rid of that 1" lip, but in order to do that, I would have to practically completely dismantle the
thing. I guess I'll just live with it.

Ken W7EKB

1609. Schematic or manual needed.

Yahoo group: glowbugradio
Date: 2013-03-13 22:34:00 UTC
From: Kenneth G. Gordon
Topic: 1609 Message: 1609

Might anyone have a schematic, or even a users or maintenance manual for the B&K Precision model 3025 SweepFunction Generator?

Mine crapped out a few years ago, and I would really like to get it working.

B&K has so far been no help.

Ken W7EKB

1610. Re: [glowbugradio] Taylor T-125 TV-7 test settings?

Yahoo group: glowbugradio
Date: 2013-03-14 00:15:53 UTC
From: Carl
Topic: 1590 Message: 1610

The radio versions predate the bridge! Ive been to Yooperland by way of Wisconsin but not since 71-73 when I was working in the Chicago area.

They got their name from the CW note when keyed, some yooped right out of the band (-;

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, March 13, 2013 4:19 PM
Subject: Re: [glowbugradio] Taylor T-125 TV-7 test settings?

On 13 Mar 2013 at 15:10, Robert Nickels wrote:

> On 3/13/2013 2:11 PM, Kenneth G. Gordon wrote:
> > So, what, exactly, is the "Yooper"?
>
> Dis here tells you all about da Yoopers:
> http://dayoopers.com/whatwher.html
>
>
> 73 Bob W9RAN

Haw haw! That's neat! :-)

But I don't think that was what Carl meant...

Ken W7EKB

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5669 - Release Date: 03/13/13

1611. Re: [glowbugradio] HP-8640B Opt. 323 some other questions

Yahoo group: glowbugradio
Date: 2013-03-14 00:59:37 UTC
From: Carl
Topic: 1608 Message: 1611

---- Original Message -----
From: Kenneth G. Gordon

I've noticed that this thing is a bit "leaky" in that at low levels of signal output, generally 1
microvolt or below, the signal as heard in an attached receiver doesn't seem to reduce in
level much.

This leakage became far less after I had reinstalled all the various shields and boxes around
the bits I had been working on, and seemed to reduce even further once I had the top and
bottom covers back on and solidly screwed down.

But does anyone know just how "leaky" they are, and what, if anything, can one do about it?

** They are not leaky at all and I can go right into the noise level with both of mine.

Does this leakage make the readings of receiver sensitivity suspect, and if so, how bad is it?

** Take the coax off and terminate the output directly, I use a N screw on load. If it is now silent you have poor coax and/or lots of leakage at the radio. Dont expect to get good accuracy with vintage sets that have antenna posts like your ARC-5 and sets with screw terminals on the back. I use double shielded Belden RG-58 size coax into a shielded balun and the coax wrapped many time on a 2.4" 31 Mix Fair-Rite toroid. The set has to be in the cabinet and all bolted down to clean metal, all shields and bottom plates secured, and get out your prayer rug since some sets just wont cooperate.

Use your TS-940 as a benchmark, that is real RF tight.

Lastly, what sort of problems can I expect by leaving it on 24/7/365?

** A larger electric bill. When I used them at work they ran the full work week or 24/7/365 depending upon management.
Now, 25 years later, and with that output amp being almost unobtanium I always shut mine off when finished.

My Option 323 unit is now working very well indeed, and I am glad I took the time to try to fix
it.

** Good for you, congrats!

The switches in it are all phenolic types, not those later ones which are made of clear plastic,
and the gears are all complete, in good shape, and not split.

** Yet

The only complaint I have with it at this point is that it takes up almost an entire acre on my
bench top. I am not sure what to do about that, although I have seriously thought about either.

** I have 4 more layers of gear above one of mine and only 2 on the other.

standing it on its right side, or mounting it UNDER one of the upper shelves.

I would also simply love to cut that front panel down all around to the level of the unit and get
rid of that 1" lip, but in order to do that, I would have to practically completely dismantle the
thing. I guess I'll just live with it.

Ken W7EKB

** Bitch, bitch, bitch....starting to sound like my ex (-;

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5669 - Release Date: 03/13/13

1612. Re: [glowbugradio] HP-8640B Opt. 323 some other questions

Yahoo group: glowbugradio
Date: 2013-03-14 01:06:56 UTC
From: Carl
Topic: 1608 Message: 1612

Almost forgot and already deleted your message....the function generator is an IG-1275. Heath calls it a sweep generator but its really a function generator with lots of bells and whistles. Found it on Fleabay at a $29 bid as only one other was in the hunt. Looks brand new and works fine after some control cleaning.

Carl

1613. Re: [glowbugradio] HP-8640B Opt. 323 some other questions

Yahoo group: glowbugradio
Date: 2013-03-14 01:42:23 UTC
From: Garey Barrell
Topic: 1608 Message: 1613

Ken -

Don't forget the leakage from your test coax. At those levels, really needs to be RG-55 double
shielded with well installed connectors.

What is the part number (HP) on that display you need? I have some, if I can find them, but there
are four orfive different types.

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

Kenneth G. Gordon wrote:
> I've noticed that this thing is a bit "leaky" in that at low levels of signal output, generally 1
> microvolt or below, the signal as heard in an attached receiver doesn't seem to reduce in
> level much.
>

1614. Re: [glowbugradio] HP-8640B Opt. 323 - display digit...

Yahoo group: glowbugradio
Date: 2013-03-14 19:11:05 UTC
From: Kenneth G. Gordon
Topic: 1608 Message: 1614

On 13 Mar 2013 at 21:42, Garey Barrell wrote:

> Don't forget the leakage from your test coax. At those levels, really needs to be RG-55 double
> shielded with well installed connectors.

Makes sense. I guess I need some RG-55 then. I'll do some digging.

> What is the part number (HP) on that display you need? I have some, if I can find them, but there
> are four or five different types.

Sigh...I would have to dismantle the darned counter again in order to get that. I neglected to
take a photo of it.

I do know that the equivalent is an Avago HDSP-0761 though, if that helps...probably not.

I may take this thing apart again, just to get that info...

Thanks for the help, Garey.

Ken

1615. Re: [glowbugradio] HP-8640B Opt. 323 - display digit...

Yahoo group: glowbugradio
Date: 2013-03-14 20:25:25 UTC
From: Kenneth G. Gordon
Topic: 1608 Message: 1615

On 14 Mar 2013 at 16:12, Garey Barrell wrote:

> Ken -
>
> Not listed in the manual parts list?? The HP part numbers are in the
> 5082-7300 range. It's essentially a display with a built-in decoder.

The HP manual does list the entire display, but not the individual digits. My display is OK. I only have one defective digit, which I moved to last place.

I found two complete counters on eBay, but the sellers want $250 each for them.

All I need is one lousy digit.

Avago does make exact replacment digits, but they cost $30 each, and Mouser won't sell just one: if I want any, I have to buy 50, and then wait 6 weeks for Avago to make them.

Ken W7EKB

1616. Suggestions requested.

Yahoo group: glowbugradio
Date: 2013-03-14 23:13:43 UTC
From: Kenneth G. Gordon
Topic: 1616 Message: 1616

Can anyone here recommend a decent sweep/function generator which includes a sawtooth output to drive the horizontal sweep of a scope?

And I don't mean a new FG either. I couldn't afford it.

Ken W7EKB

1617. Re: [glowbugradio] Suggestions requested.

Yahoo group: glowbugradio
Date: 2013-03-14 23:49:16 UTC
From: Carl
Topic: 1616 Message: 1617

The Heath IG-1275 will let you use the 8640B as a sweeper. There are better ones from HP, TEK, and a few others but pricey. Its in between service and lab grade.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, March 14, 2013 7:13 PM
Subject: [glowbugradio] Suggestions requested.

Can anyone here recommend a decent sweep/function generator which includes a sawtooth
output to drive the horizontal sweep of a scope?

And I don't mean a new FG either. I couldn't afford it.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5673 - Release Date: 03/14/13

1618. BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 00:09:53 UTC
From: Carl
Topic: 1618 Message: 1618

Is it possible to modify the IF transformers for closer coupling and better selectivity?

Has anyone converted to double conversion and then used BC-453 IF's?

Ive got the "bright" idea to modify the pair wasting away on a shelf here to monitor 40/75 AM while working in the shop and the pair would take up little room, share one PS and speaker. I dont want barn door selectivity.

Carl
KM1H

1619. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 00:37:06 UTC
From: Kenneth G. Gordon
Topic: 1618 Message: 1619

On 14 Mar 2013 at 20:09, Carl wrote:

> Is it possible to modify the IF transformers for closer coupling and better
> selectivity?

I think you mean "looser", not "closer".

In a word, yes, in the BC-454 at least.

The BC-454 1415 KHz IF transformers are two separate toroid coils separated by three ceramic cylinders and held in place by one long screw down through the center. I removed that screw (from the top) and was able to move the top coil about 3/16" further from the bottom one than stock. It would be fairly easy to swap the longer bottom ceramic spacer with
one of the shorter middle ones, and put the bottom one in place of one of the middle ones.

That would enable you to move the bottom coil down at least 1/4" too. I would think that doing
both of these would result in significant improvement in selectivity.

For the BC-455, however, as I remember it, both coils are wound on one form and separating them might be more difficult. I have not yet taken one of the 2830 KHz IF transformers apart
to look, though.

> Has anyone converted to double conversion and then used BC-453 IF's?

Yes. There was an article in QST magazine a long time ago in which the author did something like that.

He rewired the BFO/buffer stages, or the second IF stages, in a BC-454 and a BC-455 into a mixer with the output of either mixer at some frequency in the tuning range of the BC-453. I
think it was 200 KHz.

He may have modified the second IF into a mixer and have removed the BFO/Detector and audio output stages. I don't remember exactly which method he used.

Then he connected the outputs of either mixer through a switch to the input of the BC-453 to
which he had added a better AGC, a better detector, and an added outboard audio amp.

> Ive got the "bright" idea to modify the pair wasting away on a shelf here to
> monitor 40/75 AM while working in the shop and the pair would take up little
> room, share one PS and speaker. I dont want barn door selectivity.

Who would? :-) Although the selectivity of the BC-454 is "adequate" at times, the selectivity of

the BC-455 is just plain abysmal.

I have that QST article if you would like to peruse it for ideas.

Ken W7EKB

1620. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 01:18:18 UTC
From: Bob Macklin
Topic: 1618 Message: 1620

Carl,

Try them as they are. If necessary convert them down into an old car radio. The BC-454 IF will do it directly. You may not need it on 40M.

Here I hear a SWBC station right on 7295. But 7290 is clear. (I THINK?).

I have a BC-454 I am planning to monitor 3870. But I am not expecting to hear anything.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Thursday, March 14, 2013 5:09 PM
Subject: [glowbugradio] BC-454/455 question

Is it possible to modify the IF transformers for closer coupling and better selectivity?

Has anyone converted to double conversion and then used BC-453 IF's?

Ive got the "bright" idea to modify the pair wasting away on a shelf here to monitor 40/75 AM while working in the shop and the pair would take up little room, share one PS and speaker. I dont want barn door selectivity.

Carl
KM1H

1621. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 01:22:42 UTC
From: Bob Macklin
Topic: 1618 Message: 1621

Ken comments:
"Who would? :-) Although the selectivity of the BC-454 is "adequate" at times, the selectivity of
the BC-455 is just plain abysmal."

But please remember what the BC-455 was designed for. It really needed to be that way.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Thursday, March 14, 2013 5:37 PM
Subject: Re: [glowbugradio] BC-454/455 question

On 14 Mar 2013 at 20:09, Carl wrote:

> Is it possible to modify the IF transformers for closer coupling and better
> selectivity?

I think you mean "looser", not "closer".

In a word, yes, in the BC-454 at least.

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one of the shorter middle ones, and put the bottom one in place of one of the middle ones.

That would enable you to move the bottom coil down at least 1/4" too. I would think that doing
both of these would result in significant improvement in selectivity.

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to look, though.

> Has anyone converted to double conversion and then used BC-453 IF's?

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He rewired the BFO/buffer stages, or the second IF stages, in a BC-454 and a BC-455 into a mixer with the output of either mixer at some frequency in the tuning range of the BC-453. I
think it was 200 KHz.

He may have modified the second IF into a mixer and have removed the BFO/Detector and audio output stages. I don't remember exactly which method he used.

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which he had added a better AGC, a better detector, and an added outboard audio amp.

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> monitor 40/75 AM while working in the shop and the pair would take up little
> room, share one PS and speaker. I dont want barn door selectivity.

Who would? :-) Although the selectivity of the BC-454 is "adequate" at times, the selectivity of
the BC-455 is just plain abysmal.

I have that QST article if you would like to peruse it for ideas.

Ken W7EKB

1622. Re: Suggestions requested.

Yahoo group: glowbugradio
Date: 2013-03-15 01:38:06 UTC
From: Ed Cartwright
Topic: 1616 Message: 1622

Hi Ken,
I think most Commercial Off The Shelf (COTS) function generators have a triangle wave (equal rise-fall ramps) output which would not be good for a scope horizontal sweep driver. You will need a true sawtooth (fast rise - linear ramp fall) for your scope.

Tek time-base plug-ins are cheaper than dirt. Could you just power one up and use the sig from that? You could even sync it from your Vert amp.

73 Ed N6MMW

1623. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 02:16:37 UTC
From: Garey Barrell
Topic: 1618 Message: 1623

Kenneth G. Gordon wrote:
> On 14 Mar 2013 at 20:09, Carl wrote:
>
>> Is it possible to modify the IF transformers for closer coupling and better
>> selectivity?
> I think you mean "looser", not "closer".
>
> In a word, yes, in the BC-454 at least.
>
>
Carl -

You could always follow what "I" did about 50 years ago!

BC-454 3 - 6 MHz - 1415 kHz IF

Clock radio (AC/DC ofcourse) 1415 kHz - 455 kHz IF

Heath QF-1 - Several house fuses blown before got all the grounds sorted!

BC-453 0.190 - 0.550 kHz - 85 kHz IF

Pretty fancy receiver, lotsa knobs, AND Passband tuning..... :-)

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

1624. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 02:49:41 UTC
From: Kenneth G. Gordon
Topic: 1618 Message: 1624

On 14 Mar 2013 at 18:22, Bob Macklin wrote:

> Ken comments:
> "Who would? :-) Although the selectivity of the BC-454 is "adequate"
> at times, the selectivity of the BC-455 is just plain abysmal."
>
> But please remember what the BC-455 was designed for. It really needed
> to be that way.

Oh, yes. I completely understand WHY it was that way, and the necessity for it, but as a 40 meter ham receiver, it is pretty worthless, unless you have a really good set of ears.

Ken W7EKB

1625. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 13:13:02 UTC
From: Carl
Topic: 1618 Message: 1625

Thanks for the rundown Ken. What issue of QST? I have them all here.

Carl
KM1H

On 14 Mar 2013 at 20:09, Carl wrote:

> Is it possible to modify the IF transformers for closer coupling and
> better
> selectivity?

I think you mean "looser", not "closer".

In a word, yes, in the BC-454 at least.

The BC-454 1415 KHz IF transformers are two separate toroid coils separated
by three
ceramic cylinders and held in place by one long screw down through the
center. I removed
that screw (from the top) and was able to move the top coil about 3/16"
further from the
bottom one than stock. It would be fairly easy to swap the longer bottom
ceramic spacer with
one of the shorter middle ones, and put the bottom one in place of one of
the middle ones.

That would enable you to move the bottom coil down at least 1/4" too. I
would think that doing
both of these would result in significant improvement in selectivity.

For the BC-455, however, as I remember it, both coils are wound on one form
and separating
them might be more difficult. I have not yet taken one of the 2830 KHz IF
transformers apart
to look, though.

> Has anyone converted to double conversion and then used BC-453 IF's?

Yes. There was an article in QST magazine a long time ago in which the
author did
something like that.

He rewired the BFO/buffer stages, or the second IF stages, in a BC-454 and a
BC-455 into a
mixer with the output of either mixer at some frequency in the tuning range
of the BC-453. I
think it was 200 KHz.

He may have modified the second IF into a mixer and have removed the
BFO/Detector and
audio output stages. I don't remember exactly which method he used.

Then he connected the outputs of either mixer through a switch to the input
of the BC-453 to
which he had added a better AGC, a better detector, and an added outboard
audio amp.

> Ive got the "bright" idea to modify the pair wasting away on a shelf here
> to
> monitor 40/75 AM while working in the shop and the pair would take up
> little
> room, share one PS and speaker. I dont want barn door selectivity.

Who would? :-) Although the selectivity of the BC-454 is "adequate" at
times, the selectivity of
the BC-455 is just plain abysmal.

I have that QST article if you would like to peruse it for ideas.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5673 - Release Date: 03/14/13

1626. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 13:17:34 UTC
From: Carl
Topic: 1618 Message: 1626

And that requires another radio and PS Bob, Im trying to do this compact as space is already tight.

7290-95 is clear during the day and almost always AM on it, 3870, 75, 80, 85 plus down in the Extra portion are busy in the evenings

Carl
KM1H

----- Original Message -----
From: Bob Macklin
To: glowbugradio@yahoogroups.com
Sent: Thursday, March 14, 2013 9:18 PM
Subject: Re: [glowbugradio] BC-454/455 question

Carl,

Try them as they are. If necessary convert them down into an old car radio. The BC-454 IF will do it directly. You may not need it on 40M.

Here I hear a SWBC station right on 7295. But 7290 is clear. (I THINK?).

I have a BC-454 I am planning to monitor 3870. But I am not expecting to hear anything.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Carl
To: glowbugradio@yahoogroups.com
Sent: Thursday, March 14, 2013 5:09 PM
Subject: [glowbugradio] BC-454/455 question

Is it possible to modify the IF transformers for closer coupling and better selectivity?

Has anyone converted to double conversion and then used BC-453 IF's?

Ive got the "bright" idea to modify the pair wasting away on a shelf here to monitor 40/75 AM while working in the shop and the pair would take up little room, share one PS and speaker. I dont want barn door selectivity.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5673 - Release Date: 03/14/13

1627. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 13:29:49 UTC
From: Carl
Topic: 1618 Message: 1627

I might have done that 55 years ago Garey but "wisely" got a HQ-129X which I never regretted. That got a BC-453 and a QF-1.

Carl
KM1H

----- Original Message -----
From: Garey Barrell
To: glowbugradio@yahoogroups.com
Sent: Thursday, March 14, 2013 10:16 PM
Subject: Re: [glowbugradio] BC-454/455 question

Kenneth G. Gordon wrote:
> On 14 Mar 2013 at 20:09, Carl wrote:
>
>> Is it possible to modify the IF transformers for closer coupling and
>> better
>> selectivity?
> I think you mean "looser", not "closer".
>
> In a word, yes, in the BC-454 at least.
>
>
Carl -

You could always follow what "I" did about 50 years ago!

BC-454 3 - 6 MHz - 1415 kHz IF

Clock radio (AC/DC ofcourse) 1415 kHz - 455 kHz IF

Heath QF-1 - Several house fuses blown before got all the grounds sorted!

BC-453 0.190 - 0.550 kHz - 85 kHz IF

Pretty fancy receiver, lotsa knobs, AND Passband tuning..... :-)

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5675 - Release Date: 03/14/13

1628. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 15:55:41 UTC
From: Kenneth G. Gordon
Topic: 1618 Message: 1628

On 15 Mar 2013 at 9:13, Carl wrote:

> Thanks for the rundown Ken. What issue of QST? I have them all here.

I'll have to go dig it out. I have it printed out. I'll let you know later today.

Ken W7EKB

1629. Re: [glowbugradio] BC-454/455 question

Yahoo group: glowbugradio
Date: 2013-03-15 16:06:22 UTC
From: Garey Barrell
Topic: 1618 Message: 1629

Carl -

My 'next' receiver was also an HQ-129X! $50 from Universal Radio in Louisville, KY. My Dad took
pity on me... :-)

I "DID" however make a lot of contacts with my 'kludge' receiver, and learned a little bit in the
process. I knew nothing, so any learning experience was a good one!

73, Garey - K4OAH
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

Carl wrote:
> I might have done that 55 years ago Garey but "wisely" got a HQ-129X which I
> never regretted. That got a BC-453 and a QF-1.
>
> Carl
> KM1H
>
>
> ----- Original Message -----
> From: Garey Barrell
> To: glowbugradio@yahoogroups.com
> Sent: Thursday, March 14, 2013 10:16 PM
> Subject: Re: [glowbugradio] BC-454/455 question
>
>
>
> Kenneth G. Gordon wrote:
>> On 14 Mar 2013 at 20:09, Carl wrote:
>>
>>> Is it possible to modify the IF transformers for closer coupling and
>>> better
>>> selectivity?
>> I think you mean "looser", not "closer".
>>
>> In a word, yes, in the BC-454 at least.
>>
>>
> Carl -
>

> You could always follow what "I" did about 50 years ago!
>
> BC-454 3 - 6 MHz - 1415 kHz IF
>
> Clock radio (AC/DC ofcourse) 1415 kHz - 455 kHz IF
>
> Heath QF-1 - Several house fuses blown before got all the grounds sorted!
>
> BC-453 0.190 - 0.550 kHz - 85 kHz IF
>
> Pretty fancy receiver, lotsa knobs, AND Passband tuning..... :-)
>
> 73, Garey - K4OAH
> Glen Allen, VA
>
> Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
> and TR-4/C Service Supplement CDs
> <www.k4oah.com>
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1430 / Virus Database: 2641/5675 - Release Date: 03/14/13
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> Yahoo! Groups Links
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1630. Re: [glowbugradio] HP-8640B Opt. 323 - display digit...

Yahoo group: glowbugradio
Date: 2013-03-15 20:57:05 UTC
From: John Ruccolo
Topic: 1608 Message: 1630

Ken,

Now that I think about it, I know someone local to me who may have some junker 8640's. I will check with him. Maybe I can get you a display. He's offered to help me wiith my 8640....

My problem is this: if I set it to 1 Mhz, for example, the unit is actually putting out RF at around *33* Mhz or something. I'm told this is a mechanical problem. Does anyone know anything about that?

73,

John KC2UAK

From: Kenneth G. Gordon <kgordon2006@frontier.com>
To: Garey Barrell <k4oah@...>
Cc: Glowbugradio@yahoogroups.com
Sent: Thursday, March 14, 2013 4:25 PM
Subject: Re: [glowbugradio] HP-8640B Opt. 323 - display digit...

On 14 Mar 2013 at 16:12, Garey Barrell wrote:

> Ken -
>
> Not listed in the manual parts list?? The HP part numbers are in the
> 5082-7300 range. It's essentially a display with a built-in decoder.

The HP manual does list the entire display, but not the individual digits. My display is OK. I only have one defective digit, which I moved to last place.

I found two complete counters on eBay, but the sellers want $250 each for them.

All I need is one lousy digit.

Avago does make exact replacment digits, but they cost $30 each, and Mouser won't sell just one: if I want any, I have to buy 50, and then wait 6 weeks for Avago to make them.

Ken W7EKB

1631. Re: HP-8640B Opt. 323 - display digit...

Yahoo group: glowbugradio
Date: 2013-03-16 23:11:38 UTC
From: laingt@...
Topic: 1608 Message: 1631

You might try posting over on Neonixie-L@.... There are a lot
of people over there that collect and build things with obsolete displays.
Tim L.

1632. Re: [glowbugradio] Re: HP-8640B Opt. 323 - display digit...

Yahoo group: glowbugradio
Date: 2013-03-17 17:01:22 UTC
From: Kenneth G. Gordon
Topic: 1608 Message: 1632

On 16 Mar 2013 at 19:11, laingt@... wrote:

> You might try posting over on Neonixie-L@.... There are a
> lot of people over there that collect and build things with obsolete
> displays.
> Tim L.

Thanks, Tim. I'll give it a shot.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1633. (no subject)

Yahoo group: glowbugradio
Date: 2013-04-05 07:32:57 UTC
From: astro boy
Topic: 1633 Message: 1633

http://www.savassogutma.com/phjj/by.ic?wd

astro boy

1634. Re: [glowbugradio] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-08 06:29:16 UTC
From: astro boy
Topic: 1633 Message: 1634

Apologizes..... Do not open any attachments without the usual
text to verify the suspect .....URL....
.....

Pple,,, my account has been hacked ""Again"" ,,,,,

I have just changed my account details once more .. Sigh...

And they have the hide to ask pple to do Internet Banking .. Seriously ????

Cheers Astro...

DO NOT OPEN >>

http://www.savassogutma.com/phjj/by.ic?wd

1635. Re: [HROreceiver] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-08 06:34:26 UTC
From: astro boy
Topic: 1633 Message: 1635

Apologizes..... Do not open any attachments without the usual

text to verify the suspect .....URL....

Pple,,, my account has been hacked ""Again"" ,,,,,

I have just changed my account details once more .. Sigh...

And they have the hide to ask pple to do Internet Banking .. Seriously ????

Cheers Astro...

From:<<<<<<< NOOOOOOOOOOOOOO NOT FROM >>>>>>astro boy <ell_magic@...>

DO NOT OPEN>>>>

http://www.savassogutma.com/phjj/by.ic?wd

astro boy

1636. Re: [glowbugradio] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-08 14:10:40 UTC
From: Carl
Topic: 1633 Message: 1636

If you would quit opening links in every email you get it wouldnt happen.

Carl
KM1H

.
----- Original Message -----
From: astro boy
To: glowbugradio@yahoogroups.com ; ARC 5radio ; bobyorston ; HROreceiver ;
donald black ; vk2bcu ; big d ; redlove 28
Sent: Monday, April 08, 2013 2:29 AM
Subject: Re: [glowbugradio] (unknown)

Apologizes..... Do not open any attachments without the usual
text to verify the suspect
.....URL.... ....

Pple,,, my account has been hacked ""Again"" ,,,,,

I have just changed my account details once more .. Sigh...

And they have the hide to ask pple to do Internet Banking .. Seriously ????

Cheers Astro...

DO NOT OPEN >>

http://www.savassogutma.com/phjj/by.ic?wd

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5731 - Release Date: 04/07/13

1637. Re: [glowbugradio] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-09 01:13:13 UTC
From: cybercat
Topic: 1633 Message: 1637

Don't sweat it...
This has happened to many people I know worldwide.
The common factor is they are all Yahoo accounts.

- 73 de va3hwa (Bill H.)

astro boy wrote:

>
>
>
> Apologizes..... Do not open any attachments without the usual
> text to verify the suspect
> .....URL.... ....
>
> Pple,,, my account has been hacked ""Again"" ,,,,,
>
> I have just changed my account details once more .. Sigh...
>
> And they have the hide to ask pple to do Internet Banking .. Seriously
> ????
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> Cheers Astro...
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> DO NOT OPEN >>
> http://www.savassogutma.com/phjj/by.ic?wd
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1638. Re: [glowbugradio] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-09 03:56:19 UTC
From: astro boy
Topic: 1633 Message: 1638

From: cybercat <cybercat@...>

Don't sweat it...
This has happened to many people I know worldwide.
The common factor is they are all Yahoo accounts.

 - 73 de va3hwa (Bill H.)

Hi Bill and Carl ....
Well i was probably partially at fault also,, the last password was only 6 letters long...
The new one is abt 30 letters long, so I'm hoping , it will take them a bit longer to Crack ....

Time will tell .....

:Update, the New coil pack has arrived so will be doing some more work on the Bc 453 today..,

Cheers all ,, have a good one...,,,

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1639. Re: [glowbugradio] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-09 14:15:25 UTC
From: Carl
Topic: 1633 Message: 1639

It has nothing to do with a password AFIK. They sucker you into clicking on a link and use your email adr to mail to your address list.

Simply learn to restrain yourself if is one of those "You will enjoy this" type of crap.

Also erase your address list.

Carl
KM1H
Carl

----- Original Message -----
From: astro boy
To: glowbugradio@yahoogroups.com
Sent: Monday, April 08, 2013 11:56 PM
Subject: Re: [glowbugradio] (unknown)

From: cybercat <cybercat@...>

Don't sweat it...
This has happened to many people I know worldwide.
The common factor is they are all Yahoo accounts.

- 73 de va3hwa (Bill H.)

Hi Bill and Carl ....
Well i was probably partially at fault also,, the last password was only 6 letters long...
The new one is abt 30 letters long, so I'm hoping , it will take them a bit longer to Crack ....

Time will tell .....

:Update, the New coil pack has arrived so will be doing some more work on the Bc 453 today..,

Cheers all ,, have a good one...,,,

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1430 / Virus Database: 2641/5732 - Release Date: 04/08/13

1640. Re: [glowbugradio] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-09 14:58:24 UTC
From: astro boy
Topic: 1633 Message: 1640

Carl ok ....

>>>Also erase your address list.

so i keep a separate copy , elsewhere on my computer and

erase my contacts list here on yahoo7mail....??

>>>>Simply learn to restrain yourself if is one of
those "You will enjoy this" type of crap.

Hee,, Yes,, i was always in such a hurry to get through my mail, that i clicked on them

without really looking at the sender content ....

I know what they look like NOW ... :) even when im in a hurry ....

Hopefully Yahoo will also look into their securityproblems ,,,,,, Surely ..???

Astro..

From: Carl <km1h@...>
To: glowbugradio@yahoogroups.com

☐
It has nothing to do with a password AFIK. They
sucker you into clicking on a link and use your email adr to mail to your
address list.

Simply learn to restrain yourself if is one of
those "You will enjoy this" type of crap.

Also erase your address list.

Carl
KM1H
Carl

----- Original Message -----
>From: astro boy
>To: glowbugradio@yahoogroups.com
>Sent: Monday, April 08, 2013 11:56 PM
>Subject: Re: [glowbugradio] (unknown)
>
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>_____
> From: cybercat <cybercat@...>
>
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>
>
>Don't sweat it...
>This has happened to many people I know
worldwide.
>The common factor is they are all Yahoo accounts.
>
> -
73 de va3hwa (Bill H.)
>
>
>
>Hi Bill and Carl ....
>Well i was probably partially at fault also,, the last   password was only 6 letters
long...
>The new one is abt 30 letters long, so I'm hoping , it will take them a bit longer to
Crack ....
>
>Time will tell .....
>
>:Update, the New coil pack has arrived so will be doing some more work on the Bc 453
today..,
>
>Cheers all ,, have a good one...,,,
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>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 10.0.1430 / Virus
Database: 2641/5732 - Release Date: 04/08/13

1641. Re: [glowbugradio] Yahoo e-mail

Yahoo group: glowbugradio
Date: 2013-04-09 15:16:00 UTC
From: Kenneth G. Gordon
Topic: 1633 Message: 1641

On 9 Apr 2013 at 7:58, astro boy wrote:

> so i keep a separate copy , elsewhere on my computer and
> erase my contacts list here on yahoo7mail....??

You may have to print it out and re-enter it by hand after you have cleaned up your computer...

Personally, as a 30+ year IT professional, I would not trust any e-mail address list I had on any computer that had been compromised like yours has been.

> >>>>Simply learn to restrain yourself if is one of
> those "You will enjoy this" type of crap.
>
> Hee,, Yes,, i was always in such a hurry to get through my mail,
> that i clicked on them without really looking at the sender content ....

Oh, dear! You absolutely cannot do that!

> I know what they look like NOW ... :)   even when im in a hurry
>
> Hopefully Yahoo will also look into their security problems ,,,,,,
> Surely ..???

No. Most unlikely. Yahoo (and gmail) accounts have always been a big problem for SYSADs, and neither one will ever clean up their acts.

YOU have to take care of the problem yourself.

The simple solution is to NEVER click on ANY attachments from ANYONE unless you are absolutely certain what they contain BEFORE you get them.

Always be instantly suspicious of any attachment from everyone.

Ken W7EKB

1642. Re: [glowbugradio] Yahoo e-mail

Yahoo group: glowbugradio
Date: 2013-04-09 15:35:25 UTC
From: Bob Macklin
Topic: 1633 Message: 1642

A couple of years ago I got an employment possibility email fro IARPA.

Look up IARPA. It is real It's equivalent to DARPA but they service the CIA and NSA.

When I got the email I was suspicious because it was a Yahoo account. I contacted the NSA directly and was told tha IARPA uses Yahoo for all external email. No internal IARPA email goes on the internet.

I use my Yahoo and Gmail accounts with Outlook Express. I keep no addresses on the Yahoo or Gmail address books.

IARPA was interested in some work I had done for the USAF in the 80's.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: astro boy ; glowbugradio@yahoogroups.com
Sent: Tuesday, April 09, 2013 8:16 AM
Subject: Re: [glowbugradio] Yahoo e-mail

On 9 Apr 2013 at 7:58, astro boy wrote:

> so i keep a separate copy , elsewhere on my computer and
> erase my contacts list here on yahoo7mail....??

You may have to print it out and re-enter it by hand after you have cleaned up your computer...

Personally, as a 30+ year IT professional, I would not trust any e-mail address list I had on any computer that had been compromised like yours has been.

> >>>>Simply learn to restrain yourself if is one of
> those "You will enjoy this" type of crap.
>
> Hee,, Yes,, i was always in such a hurry to get through my mail,
> that i clicked on them without really looking at the sender content ....

Oh, dear! You absolutely cannot do that!

> I know what they look like NOW ... :) even when im in a hurry
>
> Hopefully Yahoo will also look into their security problems ,,,,,,
> Surely ..???

No. Most unlikely. Yahoo (and gmail) accounts have always been a big problem for SYSADs, and neither one will ever clean up their acts.

YOU have to take care of the problem yourself.

The simple solution is to NEVER click on ANY attachments from ANYONE unless you are absolutely certain what they contain BEFORE you get them.

Always be instantly suspicious of any attachment from everyone.

Ken W7EKB

1643. Re: [glowbugradio] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-10 01:17:26 UTC
From: Charles MacDonald
Topic: 1633 Message: 1643

On 13-04-09 10:15 AM, Carl wrote:
> □
>
> It has nothing to do with a password AFIK. They sucker you into clicking
> on a link and use your email adr to mail to your address list.

the links can go to a web site that attempts to exploit the many flaws
in Internet Exploder. if you clicked on the link and use a windows
machine you may want to run a clean up program like Malwarebytes.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1644. Re: [glowbugradio] (unknown)

Yahoo group: glowbugradio
Date: 2013-04-10 06:26:21 UTC
From: astro boy
Topic: 1633 Message: 1644

From: Charles MacDonald <aa508@freenet.carleton.ca>
Subject: Re: [glowbugradio] (unknown)

On 13-04-09 10:15 AM, Carl wrote:
> □
>
> It has nothing to do with a password AFIK. They sucker you into clicking
> on a link and use your email adr to mail to your address list.

**the links can go to a web site that attempts to exploit the many flaws
*in Internet Exploder. if you clicked on the link and use a windows
*machine you may want to run a clean up program like Malwarebytes.

Thank you ..... every one for your input ..... I am running

Malwarebytes now as i type this,, (just downloaded...) ..

The (my) contact list is being Moved pronto.....

*The simple solution is to NEVER click on ANY attachments from ANYONE
*unless you are absolutely certain what they contain BEFORE you get them.

 *Always be instantly suspicious of any attachment from everyone
Of course it has taught me a valuable lesson...., in trusting the system.

It seams even nasa wont trust the i net either , for a good reason for sure..

Iv always had a suspicion that nasa and cia could read out emails anyway,
I sure they would get real bored reading my mailz :)

Well it found a trojun already .. I blame bill gates for that one :)

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes << That will keep me busy reading for some time
...

***No Microsoft Products were used in sending this e-mail.
Im sure that's a good thing :)

Cheers all Thanks again ,, have a good day...
A....

1645. Tape

Yahoo group: glowbugradio
Date: 2013-04-25 02:45:33 UTC
From: Kenneth G. Gordon
Topic: 1645 Message: 1645

OK. I am trying to rebuild a dual-section octal-based plug-in electrolytic cap, 10 MFD @ 450
VDC per section. I have JUST enough room in the can to install two 12 MFD 450VDC electrolytic caps.

I have to insulate the positive end of the cap at the top of the can from the one below it.

According to the roll of plastic electrical tape I have here, it is good for up to 600 VAC.

How many layers of the tape do I have to use to insulate the two caps from shorting out?

I have so far installed 5 layers of tape.

What do you think?

Ken W7EKB

1646. Re: [glowbugradio] Tape

Yahoo group: glowbugradio
Date: 2013-04-25 11:31:40 UTC
From: Carl
Topic: 1645 Message: 1646

Are these new modern radial caps or old tech axial?

Ive been restuffing cans for years and it gets easier as caps shrink in size.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, April 24, 2013 10:45 PM
Subject: [glowbugradio] Tape

OK. I am trying to rebuild a dual-section octal-based plug-in electrolytic cap, 10 MFD @ 450
VDC per section. I have JUST enough room in the can to install two 12 MFD 450VDC
electrolytic caps.

I have to insulate the positive end of the cap at the top of the can from the one below it.

According to the roll of plastic electrical tape I have here, it is good for up to 600 VAC.

How many layers of the tape do I have to use to insulate the two caps from shorting out?

I have so far installed 5 layers of tape.

What do you think?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3162/5770 - Release Date: 04/24/13

1647. CU-168/FRR

Yahoo group: glowbugradio
Date: 2013-05-04 16:10:01 UTC
From: Kenneth G. Gordon
Topic: 1647 Message: 1647

I have one of the subject couplers, NIB, with manual.

Can anyone give me an idea of what this thing might be worth...these days?

I doubt if I'll ever use it.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1648. Advice on HV transformer use...

Yahoo group: glowbugradio
Date: 2013-05-04 20:13:54 UTC
From: Kenneth G. Gordon
Topic: 1648 Message: 1648

OK, gents. I have three HV transformers here which, obviously, came out of some piece of Motorola commercial gear. I believe they were bought from Fair Radio Sales back in the 1970s.

Their ratings, as printed on the top of each transformer, are as follows:

GRADE 1 CLASS A
FAMILY 02

(2 primaries, each labeled as follows:)
115 V 60 CPS
WORKING V 350

(1 center-tapped secondary, labeled as follows:)
2500 VCT
.450 AMP DC
WORKING VOLTS TO GND = 1800
INSULATION TEST 4000 V RMS 60 CPS

TRIWEC TRANSFORMER CO. PART NO. 116
MOTOROLA 225D1013

So, my question is, what sort of things should I watch for if I wanted to use these in a full-wave bridge system, which would result in 3535 peak DC volts maximum output?

Why would this transformer be rated at 1800 working volts to ground?

What exactly does this mean?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1649. Re: Advice on HV transformer use...

Yahoo group: glowbugradio
Date: 2013-05-17 14:30:19 UTC
From: darwindoa
Topic: 1648 Message: 1649

I am no expert in such things Ken, but my guess is that it would probably work, but maybe not forever. The limit is probably the insulators used to bring the leads out of the transformer. You would be using up any design margin and dirt and moisture on the insulators might cause a breakdown over time.

Take a look at the insulators and see if you think they would stand 3.5 kv. In the best tradition of cut and try, you could rig up something and try it. Maybe with a high value low wattage resistor in the ground leg of the bridge for a fuse. Stand well back in case of fireworks.

Are you going for a big triode like a 250TH? You are only going to get around 220 ma at 3.5 kv. These transformers would work great at 1.5 Kv plus for tubes like 811's, 572B's, 813's, 4x250's etc.

Good to be back on the list after a long absence.

73 - Darwin K5DOA

--- In glowbugradio@yahoogroups.com, "Kenneth G. Gordon" <kgordon2006@...> wrote:
>
> OK, gents. I have three HV transformers here which, obviously, came out of
> some piece of Motorola commercial gear. I believe they were bought from
> Fair Radio Sales back in the 1970s.
>
> Their ratings, as printed on the top of each transformer, are as follows:
>
> GRADE 1 CLASS A
> FAMILY 02
>
> (2 primaries, each labeled as follows:)
> 115 V 60 CPS
> WORKING V 350
>
> (1 center-tapped secondary, labeled as follows:)
> 2500 VCT
> .450 AMP DC
> WORKING VOLTS TO GND = 1800
> INSULATION TEST 4000 V RMS 60 CPS
>
> TRIWEC TRANSFORMER CO. PART NO. 116
> MOTOROLA 225D1013
>
> So, my question is, what sort of things should I watch for if I wanted to use
> these in a full-wave bridge system, which would result in 3535 peak DC volts
> maximum output?
>

> Why would this transformer be rated at 1800 working volts to ground?
>
> What exactly does this mean?
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>

1650. Re: [glowbugradio] Re: Advice on HV transformer use...

Yahoo group: glowbugradio
Date: 2013-05-17 15:11:32 UTC
From: Kenneth G. Gordon
Topic: 1648 Message: 1650

On 17 May 2013 at 14:30, darwindoa wrote:

> I am no expert in such things Ken, but my guess is that it would
> probably work, but maybe not forever. The limit is probably the
> insulators used to bring the leads out of the transformer. You would
> be using up any design margin and dirt and moisture on the insulators
> might cause a breakdown over time.

I had thought much the same thing, Darwin. The insulators are all conical ceramic feed-through types which are at least 1" tall. They look to me as though they are good for at least 10 KV. For one thing, they are at least as big as those in the BC-610's power transformer, and that was good for 3600 VDC and never failed.

I suspect that Motorola had these rated this way simply because they were on 24/7/365 and usually were never, ever even looked at after they were in service.

> Take a look at the insulators and see if you think they would stand
> 3.5 kv.

Well, they sure do to me, but what do I know? :-)

> In the best tradition of cut and try, you could rig up
> something and try it. Maybe with a high value low wattage resistor in
> the ground leg of the bridge for a fuse. Stand well back in case of
> fireworks.

OH, yes!

> Are you going for a big triode like a 250TH?

I am planning on two 304TLs, possibly in single-band amps, and even possibly in push-pull. (I like push-pull) I am aiming for 1500 watts output.

> You are only going to
> get around 220 ma at 3.5 kv. These transformers would work great at
> 1.5 Kv plus for tubes like 811's, 572B's, 813's, 4x250's etc.

A pair of 304TLs are rated in Class AB2 at 1100 watts output at 1500 volts, at 1.125 amps input, needing 78 watts drive, 1400 watts output at 2KV and 1 amp input, 1650 watts output at 2.5 KV and 900 mA input. At 3KV and 800 mA input, they are rated at 1800 watts output and require 110 watts drive.

I thought I could parallel two of the transformers, and operate them at their 1800 VDC output at 1 amp.

3500 VDC is too much in any case.

However, I have a HUGE 220 VAC Variac here, which I got ouf a GE industrial research x-ray machine. It is 2 feet in diameter and weighs well over 100 lbs. Although it is not motor-driven, it does have a long articulated shaft to operate it from some distance. I can set it on the floor behind the rack and operate it from my operating desk.

What I am thinking of doing is 1) paralleling at least two of my transformers, 2) operating them in FWB, 3) feeding them with this giant Variac, 4) then feeding the 304TLs with a little over 2 KV at max.

What do you fellows think of this idea?

BTW, 304TLs, apparently, are not well suited for linear amp service. I have been told that their IMD output is not particularly good, but so far have found no data which shows exactly how good or bad they really are. I don't have anything any better here, so I would like to use them anyway if it is at all possible.

Can anyone point me to some data on this?

In fact, I have at least 8 of these, all brand-new. I got them for free from the University where I used to work when they were cleaning them out. I also got the necessary sockets from that source.

I also have one humungous filament transformer, 10 volts CT at 50 amps, that will easily light them up. Each tube require 5 volts at 25 amps or 10 volts at 12.5 amps.

> Good to be back on the list after a long absence.
>
> 73 - Darwin K5DOA

It is sure good to see you here, Darwin. Welcome back! :-)

vy 73,

Ken W7EKB

1651. AVO Valve Tester Model 11817-147

Yahoo group: glowbugradio
Date: 2013-06-04 07:17:40 UTC
From: tannebri@btinternet.com
Topic: 1651 Message: 1651

Has anyone got a manual for one of these that they could copy?

Many Thanks

Brian G6HUI

1652. Matching A Crystal Filter To A Tube Mixer

Yahoo group: glowbugradio
Date: 2013-06-04 13:48:41 UTC
From: Byron Tatum
Topic: 1652 Message: 1652

Hello-

I am building a small tube type 80/40 meter receiver and am borrowing some of the front end/mixer circuitry from the "Mate To The Mighty Midget", a 3 tube (all 6U8 tubes) 80 / 40 meter set. This small set uses a half-lattice 455 KHz crystal filter that consists of two crystals spaced about 1 KHz apart and a tuned circuit at 455 KHz. My version is going to have a little more circuitry, with more IF gain and a product detector/AVC.

I have a 2.8 KHz BW 455 Khz crystal filter from a later model Icom transceiver that I would like to use in place of the half lattice filter. I have looked at a few circuits where a tube mixer is feeding a conventional (6 or 8 pole) crystal filter and some of them just feed the filter directly through coupling capacitors.

I believe most 8 pole crystal filters are around 500-800 ohms impedance. Is any form of matching needed between the tube mixer plate / crystal filter input or the tube IF amp grid/crystal filter output?

Thanks,

Byron WA5THJ

1653. Re: Ceramic Wafer Repair

Yahoo group: glowbugradio
Date: 2013-06-23 18:36:47 UTC
From: Bill Stewart
Topic: 1653 Message: 1653

Tnx guys for the response.
I'll probably give J-B Weld a try.
73 de Bill K4JYS

1654. Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 16:18:23 UTC
From: Kenneth G. Gordon
Topic: 1654 Message: 1654

I would like to get the opinions of the members of this list on the following:

So, I went out to the local fairgrounds Saturday to see what the more active of the local ham clubs was doing for FD.

I took along my AN/GRC-109, a large box of crystals, my bug and my phones since it had been hinted at to me personally that I might be able to operate the stuff for a bit.

I laid the '109 out on a table when offered the opportunity. Several commented on it: "Gee, what a neat antique." etc, including the fellow with whom I had been discussing this gear via e-mail, and who had used one like it in Laos "back then".

I then asked if I could operate a little CW....receiving a blank stare in return.

I finally left in disgust, went home, fired up the generator, and operated as a 1E station for a bit: 89 minutes to be exact, and made 54 contacts, finally having to turn the genny off since we had guests coming for dinner that night.

Listening on the bands for the local group's signals proved to me that they weren't particularly active, apparently making one contact about every 15 minutes or so.

I am more than a little ticked off. In fact, I am thoroughly pissed.

I may work towards finding some like-minded folks here in the area (so far, I know only one) who would join me in an effort to operate together next year using our "antique" gear.

So, what, if anything, have you fellows done or experienced along these lines?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1655. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 16:32:18 UTC
From: oldradio@...
Topic: 1654 Message: 1655

Hi Ken,

Too many new hams only know that their bought in the box radio needs a bought in the box antenna and can't imagine anything more complex than a computer hooked to their radio.

We need to educate them.

One way would be to get ARRL to make a "Vintage category" with points for using vintage radios. Maybe a vintage field day would help. Talk to your ARRL reps. And good luck.

73, John Dilks, K2TQN

-.-

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: Glowbugradio@yahoogroups.com
Sent: Monday, June 24, 2013 12:18:23 PM
Subject: [glowbugradio] Field Day irritations....

I would like to get the opinions of the members of this list on the following:

So, I went out to the local fairgrounds Saturday to see what the more active of the local ham clubs was doing for FD.

I took along my AN/GRC-109, a large box of crystals, my bug and my phones since it had been hinted at to me personally that I might be able to operate the stuff for a bit.

I laid the '109 out on a table when offered the opportunity. Several commented on it: "Gee, what a neat antique." etc, including the fellow with whom I had been discussing this gear via e-mail, and who had used one like it in Laos "back then".

I then asked if I could operate a little CW....receiving a blank stare in return.

I finally left in disgust, went home, fired up the generator, and operated as a 1E station for a bit: 89 minutes to be exact, and made 54 contacts, finally having to turn the genny off since we had guests coming for dinner that night.

Listening on the bands for the local group's signals proved to me that they weren't particularly active, apparently making one contact about every 15 minutes or so.

I am more than a little ticked off. In fact, I am thoroughly pissed.

I may work towards finding some like-minded folks here in the area (so far, I know only one) who would join me in an effort to operate together next year

using our "antique" gear.

So, what, if anything, have you fellows done or experienced along these lines?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1656. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 17:07:06 UTC
From: Kenneth G. Gordon
Topic: 1654 Message: 1656

On 24 Jun 2013 at 16:32, oldradio@... wrote:

> Hi Ken,
>
> Too many new hams only know that their bought in the box radio needs a
> bought in the box antenna and can't imagine anything more complex than
> a computer hooked to their radio.
>
> We need to educate them.

I have thought of that too, John, but so many appear to firmly believe that they don't NEED "educating".

>
> One way would be to get ARRL to make a "Vintage category" with points
> for using vintage radios. Maybe a vintage field day would help. Talk
> to your ARRL reps.

Darned good idea! I'll do that.

> And good luck.
>
> 73, John Dilks, K2TQN

Well, John, the very first section of QST I always turn to is yours. Keep up the good work.

Ken W7EKB

1657. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 17:22:27 UTC
From: mac
Topic: 1654 Message: 1657

Electric Radio used to sponsor just such an event but interest waned
the last one I remember was in 2001 or 2002. Maybe it could be
resurrected.....

Dennis D. W7QHO
Glendale, CA

****
On Jun 24, 2013, at 10:07 AM, Kenneth G. Gordon wrote:

> > One way would be to get ARRL to make a "Vintage category" with
> points
> > for using vintage radios. Maybe a vintage field day would help. Talk
> > to your ARRL reps.
>
> Darned good idea! I'll do that.
>
> > And good luck.
> >

1658. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 17:32:10 UTC
From: tvamfm@...
Topic: 1654 Message: 1658

Many years ago, I got highly disgusted at the way one of the large local clubs operated on FD. I will not go into the irritations but the only thing they had going good was the food. I operated as a 1B station for many years after that in a local park attached to my subdivision and had a great time averaging 400 contacts each year and still managed to shut down for several hours sleep. It got to be too much work to do it last year and this year I decided to operate from my weekend retreat in VW, although I would not have many multipliers.

The positive side to all this is that I finally was forced to quit procrastinating and get an antenna up at that QTH. I made 84 contacts in the first 3 hours before the newly acquired rig bought from a recent hamfest died, and had been getting several reports of distorted audio before realizing that it was the reason I was not making a lot of contacts. Although I like CW, I wasn't in the mood so that was FD for this year. Needless to say, I did have a good time while it lasted and found out several things.:

1. The new QTH is extremely electrically quiet.

2. The new QTH, while not the highest spot in WV, appears to have a 360 degree path to everywhere. I couldn't believe what I was hearing from all over and on all bands excep on 10 which was dead at the time

3. The Carolina Windom 80 is longer than the length between the 2 trees I had shot lines into last fall so I had to reshoot one tree. Thanks to an E-Z Hang, that was not a big deal. The second shot put it right where I wanted it.

4. Although not using it to power the rig, the 25KW standby generator fired up right on schedule for it's exercise period meaning that RF was not getting into the solid state controls.

Look out next year, I'll be back!"

73,

John, W4AWM

In a message dated 6/24/2013 12:16:25 P.M. Eastern Daylight Time, kgordon2006@frontier.com writes:

I would like to get the opinions of the members of this list on the following:

So, I went out to the local fairgrounds Saturday to see what the more active
of the local ham clubs was doing for FD.

I took along my AN/GRC-109, a large box of crystals, my bug and my phones since it had been hinted at to me personally that I might be able to operate the stuff for a bit.

I laid the '109 out on a table when offered the opportunity. Several commented on it: "Gee, what a neat antique." etc, including the fellow with whom I had been discussing this gear via e-mail, and who had used one like it in Laos "back then".

I then asked if I could operate a little CW....receiving a blank stare in return.

I finally left in disgust, went home, fired up the generator, and operated as a 1E station for a bit: 89 minutes to be exact, and made 54 contacts, finally having to turn the genny off since we had guests coming for dinner that night.

Listening on the bands for the local group's signals proved to me that they weren't particularly active, apparently making one contact about every 15 minutes or so.

I am more than a little ticked off. In fact, I am thoroughly pissed.

I may work towards finding some like-minded folks here in the area (so far, I know only one) who would join me in an effort to operate together next year using our "antique" gear.

So, what, if anything, have you fellows done or experienced along these lines?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1659. Re: Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 17:32:06 UTC
From: Paul Beckwith
Topic: 1654 Message: 1659

Hi Ken,

There are two clubs locally. Most of the people are not of our ilk,
and have no interest in our segment of amateur radio.

There are the out-of-the box folks newbies, or the guys our age that
are happy to gossip and talk about their medical problems on the VHF repeaters.

Some years back, Electric Radio sponsored a Vintage Field Day, on a
different weekend. I had the Viking I and an SP-600 on a cart out in
the yard, running off a generator. Not many contacts, but it sure was fun!

73's de Paul K2LMQ Kingman, AZ

1660. Re: [glowbugradio] Re: Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 17:42:54 UTC
From: John Parker
Topic: 1654 Message: 1660

I think its about the fun!

73,

John WH6DQU

Sent from my iPhone

On Jun 24, 2013, at 7:32 AM, Paul Beckwith <beckrep@...> wrote:

> Hi Ken,
>
> There are two clubs locally. Most of the people are not of our ilk,
> and have no interest in our segment of amateur radio.
>
> There are the out-of-the box folks newbies, or the guys our age that
> are happy to gossip and talk about their medical problems on the VHF repeaters.
>
> Some years back, Electric Radio sponsored a Vintage Field Day, on a
> different weekend. I had the Viking I and an SP-600 on a cart out in
> the yard, running off a generator. Not many contacts, but it sure was fun!
>
> 73's de Paul K2LMQ Kingman, AZ
>
>

1661. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 19:12:35 UTC
From: Carl
Topic: 1654 Message: 1661

I would have made prior arrangements to operate as suddenly showing up could disturb the more sensitive types (-;

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: oldradio@... ; glowbugradio@yahoogroups.com
Sent: Monday, June 24, 2013 1:07 PM
Subject: Re: [glowbugradio] Field Day irritations....

On 24 Jun 2013 at 16:32, oldradio@... wrote:

> Hi Ken,
>
> Too many new hams only know that their bought in the box radio needs a
> bought in the box antenna and can't imagine anything more complex than
> a computer hooked to their radio.
>
> We need to educate them.

I have thought of that too, John, but so many appear to firmly believe that they don't NEED "educating".

>
> One way would be to get ARRL to make a "Vintage category" with points
> for using vintage radios. Maybe a vintage field day would help. Talk
> to your ARRL reps.

Darned good idea! I'll do that.

> And good luck.
>
> 73, John Dilks, K2TQN

Well, John, the very first section of QST I always turn to is yours. Keep up the good work.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3199/5936 - Release Date: 06/24/13

1662. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 19:25:44 UTC
From: Kenneth G. Gordon
Topic: 1654 Message: 1662

On 24 Jun 2013 at 15:12, Carl wrote:

> I would have made prior arrangements to operate as suddenly showing up
> could disturb the more sensitive types (-;

I thought I had: obviously I was mistaken.

"...sensitive types..." my....nose... I suspect they are about as "sensitive" as a rock.

Ken W7EKB

1663. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 19:28:42 UTC
From: Jim
Topic: 1654 Message: 1663

Ken,

It could be worse -- my first club field day, they took the fuse out of my radio when they thought I wasn't looking, and naturally assumed that because I was running the Novice HF station, that I wouldn't be able to figure it out and I wouldn't have a spare fuse. Silly Extra class ops....

Of course, it did NOT help that I carried an R-390 onto the site on one shoulder to use as a "spotter" receiver.

That was like in 1985, and obviously nothing has changed since then.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: glowbugradio@yahoogroups.com
>Sent: Monday, June 24, 2013 2:25 PM
>Subject: Re: [glowbugradio] Field Day irritations....
>
>
>On 24 Jun 2013 at 15:12, Carl wrote:
>
>> I would have made prior arrangements to operate as suddenly showing up
>> could disturb the more sensitive types (-;
>
>I thought I had: obviously I was mistaken.
>
>"...sensitive types..." my....nose... I suspect they are about as "sensitive" as a
>rock.
>
>Ken W7EKB
>

1664. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 19:46:16 UTC
From: K0DAN
Topic: 1654 Message: 1664

Yah...

Parachute in, set up the covert radios, run high speed CW for several hours and make several 100's QSO's (don't worry about splatter, overload, poor ops), then get a medevac out. It'll be years of debate who was more impressed, the folks who dropped in, or the folks who were still trying adjust SWR to make their IC/KEN/YAE happy. Field Day is all things to all people, and all to have some emergency preps capability, and also have fun.

73
de
k0dan

-----Original Message-----
From: Carl
Sent: June 24, 2013 14:12
To: glowbugradio@yahoogroups.com ; oldradio@...
Subject: Re: [glowbugradio] Field Day irritations....

I would have made prior arrangements to operate as suddenly showing up could disturb the more sensitive types (-;

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: oldradio@... ; glowbugradio@yahoogroups.com
Sent: Monday, June 24, 2013 1:07 PM
Subject: Re: [glowbugradio] Field Day irritations....

On 24 Jun 2013 at 16:32, oldradio@... wrote:

> Hi Ken,
>
> Too many new hams only know that their bought in the box radio needs a
> bought in the box antenna and can't imagine anything more complex than
> a computer hooked to their radio.
>
> We need to educate them.

I have thought of that too, John, but so many appear to firmly believe that they don't NEED "educating".

>
> One way would be to get ARRL to make a "Vintage category" with points
> for using vintage radios. Maybe a vintage field day would help. Talk

> to your ARRL reps.

Darned good idea! I'll do that.

> And good luck.
>
> 73, John Dilks, K2TQN

Well, John, the very first section of QST I always turn to is yours. Keep up the good work.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3199/5936 - Release Date: 06/24/13

Yahoo! Groups Links

1665. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 20:28:10 UTC
From: Kenneth G. Gordon
Topic: 1654 Message: 1665

On 24 Jun 2013 at 14:46, K0DAN wrote:

> Yah...
>
> Parachute in, set up the covert radios, run high speed CW for several
> hours and make several 100's QSO's (don't worry about splatter,
> overload, poor ops), then get a medevac out. It'll be years of debate
> who was more impressed, the folks who dropped in, or the folks who
> were still trying to adjust SWR to make their IC/KEN/YAE happy. Field Day
> is all things to all people, and all to have some emergency preps
> capability, and also have fun.

Yup! :-)

Ken W7EKB

1666. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-24 20:30:27 UTC
From: Kenneth G. Gordon
Topic: 1654 Message: 1666

On 24 Jun 2013 at 13:32, tvamfm@... wrote:

> 1. The new QTH is extremely electrically quiet.
>
> 2. The new QTH, while not the highest spot in WV, appears to have a
> 360 degree path to everywhere. I couldn't believe what I was hearing
> from all over and on all bands excep on 10 which was dead at the time
>
> 3. The Carolina Windom 80 is longer than the length between the 2
> trees I had shot lines into last fall so I had to reshoot one tree.
> Thanks to an E-Z Hang, that was not a big deal. The second shot put
> it right where I wanted
> it.
>
> 4. Although not using it to power the rig, the 25KW standby generator
> fired up right on schedule for it's exercise period meaning that RF
> was not getting into the solid state controls.
>
> Look out next year, I'll be back!"

I'll be looking for you. ;-)

Ken W7EKB

1667. Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 00:19:43 UTC
From: Kenneth G. Gordon
Topic: 1667 Message: 1667

I would love to see a category added to the ARRL Field Day rules which would primarily support those of us who like to use vintage equipment.

Say one point per contact if made with a rig older than 30 years. Or even a sliding scale with
more points awarded as the age of the equipment increases, up to say, 100 points for a rig that is 100 years old. ;-)

I have a replica push-pull 211s TNT transmitter which sounds as good as a modern rice box on the air on 80 and 40. Shouldn't that one be good for 84 points per contact?

Or my Heathkit SB-102 at 45 years old should be good for 45 points per contact, then?

Or my WWII ARC-5s at 70 points per contact.

Or a flat 500 points added to a group's total score if one station is "Vintage", the definition of
"Vintage" being decided by the rules committee?

The Vintage rig would, of course, be counted in the class. 2 modern rigs and 1 vintage rig would be Class 3A for example.

Seems fair to me! What do you think?

Ken Gordon W7EKB

1668. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 00:38:05 UTC
From: tvamfm@...
Topic: 1667 Message: 1668

Super idea. I don't use anything more modern than a TR7 and most rigs are much older than that. How many points do I get for an HT-17 and S-53?

73,

John, W4AWM

In a message dated 6/24/2013 8:19:48 P.M. Eastern Daylight Time, kgordon2006@... writes:

I would love to see a category added to the ARRL Field Day rules which would primarily support those of us who like to use vintage equipment.

Say one point per contact if made with a rig older than 30 years. Or even a sliding scale with more points awarded as the age of the equipment increases, up to say, 100 points for a rig that is 100 years old. ;-)

.

1669. RE: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 00:52:19 UTC
From: Ken Durand
Topic: 1667 Message: 1669
Attachments: 2 described; binary payloads are missing from this source WARC

Hummm.

Thinking spark gap transmitter..What would be the multiplier for exciting the whole band at once..?? ;-)

Ken

N4zed

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of tvamfm@...
Sent: Monday, June 24, 2013 8:38 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Suggestions.

Super idea. I don't use anything more modern than a TR7 and most rigs are much older than that. How many points do I get for an HT-17 and S-53?

73,

John, W4AWM

In a message dated 6/24/2013 8:19:48 P.M. Eastern Daylight Time, kgordon2006@... writes:

I would love to see a category added to the ARRL Field Day rules which would primarily support those of us who like to use vintage equipment.

Say one point per contact if made with a rig older than 30 years. Or even a sliding scale with more points awarded as the age of the equipment increases, up to say, 100 points for a rig that is 100 years old. ;-)

.

Image removed by sender.

1670. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 00:55:37 UTC
From: oldradio@...
Topic: 1667 Message: 1670

Hi Ken,

I think your idea is great. Spot on!

73, John Dilks, K2TQN

-.-

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@frontier.com>
To: glowbugradio@yahoogroups.com
Sent: Monday, June 24, 2013 8:19:43 PM
Subject: [glowbugradio] Suggestions.

I would love to see a category added to the ARRL Field Day rules which would primarily support those of us who like to use vintage equipment.

Say one point per contact if made with a rig older than 30 years. Or even a sliding scale with more points awarded as the age of the equipment increases, up to say, 100 points for a rig that is 100 years old. ;-)

I have a replica push-pull 211s TNT transmitter which sounds as good as a modern rice box on the air on 80 and 40. Shouldn't that one be good for 84 points per contact?

Or my Heathkit SB-102 at 45 years old should be good for 45 points per contact, then?

Or my WWII ARC-5s at 70 points per contact.

Or a flat 500 points added to a group's total score if one station is "Vintage", the definition of "Vintage" being decided by the rules committee?

The Vintage rig would, of course, be counted in the class. 2 modern rigs and 1 vintage rig would be Class 3A for example.

Seems fair to me! What do you think?

Ken Gordon W7EKB

1671. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 01:01:48 UTC
From: Kenneth G. Gordon
Topic: 1667 Message: 1671

On 24 Jun 2013 at 20:38, tvamfm@... wrote:

> Super idea. I don't use anything more modern than a TR7 and most rigs are much older than
> that. How many points do I get for an HT-17 and S-53?
>
> 73,
>
> John, W4AWM

Lessee.....53 points for the S-53 and 17 points for the HT-17: that makes 70 points total.
Hee
hee! :-)

Ken

1672. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-25 02:48:12 UTC
From: Kenneth G. Gordon
Topic: 1654 Message: 1672

On 24 Jun 2013 at 12:21, Robert Nickels wrote:

> I wonder whether it would be worth the effort to petition the ARRL for
> a "vintage multiplier" or bonus?

I think that is an absolutely excellent idea, Bob. In fact, after you triggered off the light bulb over my head, I fired off an e-mail to fieldday@... on that very subject.

I hope others will do the same, and keep doing it until we get some response...even "No"..

Ken W7EKB

1673. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-25 02:49:45 UTC
From: Kenneth G. Gordon
Topic: 1654 Message: 1673

Concerning the ARRL, I find it very interesting that they used an old Gill cartoon featuring his young ham using an ARC-5 setup, complete with dynamotor as advertising during the run-up to FD!

Talk about getting hit where it hurts.

Ken W7EKB

1674. Edited suggestion on FD rules change proposed.

Yahoo group: glowbugradio
Date: 2013-06-25 03:00:09 UTC
From: Kenneth G. Gordon
Topic: 1674 Message: 1674

After thinking a bit more about it, how about this:

2 points per contact if using a vintage rig. These would be in ADDITION to the points allotted by mode which are 1 point for voice, 2 points for CW and digital.

When using a vintage rig, the total per contact would then be 3 points for voice modes which should include AM and FM, 4 points for CW and digital.

There should be different vintage classes: Class I would be any vintage rig built (or designed if home brew) prior to 1960 and/or the advent of the general use of the transistor. Class II would be any rig built after 1960 and up to 1970, Class III would be any rig built 1971 to 1980.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1675. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-25 03:42:50 UTC
From: tvamfm@...
Topic: 1654 Message: 1675

I think it is the best FD T-shirt that have ever come up with. Sure miss those cartoons!

73,

John, W4AWM

In a message dated 6/24/2013 10:47:45 P.M. Eastern Daylight Time, kgordon2006@... writes:

Concerning the ARRL, I find it very interesting that they used an old Gill cartoon featuring his young ham using an ARC-5 setup, complete with dynamotor as advertising during the run-up to FD!

Talk about getting hit where it hurts.

Ken W7EKB

1676. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-25 04:15:05 UTC
From: Robert Nickels
Topic: 1654 Message: 1676

On 6/24/2013 9:48 PM, Kenneth G. Gordon wrote:
> I think that is an absolutely excellent idea, Bob. In fact, after you
> triggered off the light bulb over my head, I fired off an e-mail to
> fieldday@... on that very subject. I hope others will do the
> same, and keep doing it until we get some response...even "No"..

I remember when Barry Wiseman, the original publisher of Electric Radio, tried to start the "Vintage Field Day", but participation was always low and in part I suspect because those of us who were motivated to do it were also involved in the "real FD" and there's only so much time and energy to go round.

But bringing the vintage option to Field Day would seem to be a perfect solution, since it wouldn't hurt those groups that run modern gear, who would receive the same points as they do now. It would pull some of "us" into FD who otherwise wouldn't participate. And as you mentioned, even the appliance-operator types commented about how it was a "neat antique" -- the point being that vintage gear gets noticed and will draw more attention from visitors and the media. Putting Ham Radio into the public spotlight and showcasing our emergency communications capabilities are what Field Day is all about, and demonstrating gear that was built 50 or more years ago would be the perfect "hook" for an interesting news story. (In fact, I'll bet it would steal the show!)

Back to ER - why not try to enlist the support of the new publisher, Ray Osterwald N?DMS in this effort? He could help spread the word amongst the boatanchor crowd and if we all sent polite requests to ARRL, who knows we might just get it!

73, Bob W9RAN

1677. Re: [glowbugradio] Edited suggestion on FD rules change proposed.

Yahoo group: glowbugradio
Date: 2013-06-25 12:54:23 UTC
From: Carl
Topic: 1674 Message: 1677

After thinking a bit more about it, how about this:

2 points per contact if using a vintage rig. These would be in ADDITION to the points allotted by mode which are 1 point for voice, 2 points for CW and digital.

When using a vintage rig, the total per contact would then be 3 points for voice modes which should include AM and FM, 4 points for CW and digital.

There should be different vintage classes: Class I would be any vintage rig built (or designed if home brew) prior to 1960 and/or the advent of the general use of the transistor. Class II would be any rig built after 1960 and up
to 1970, Class III would be any rig built 1971 to 1980.

Kenneth G. Gordon W7EKB

** Id suggest 3 points for WW2 and earlier

Carl
KM1H

1678. Re: [glowbugradio] Edited suggestion on FD rules change proposed.

Yahoo group: glowbugradio
Date: 2013-06-25 13:09:31 UTC
From: oldradio@...
Topic: 1674 Message: 1678

I like all this thinking.

But perhaps it should be the ckt design year equivalent, ie: design is pre 1940 but built in 1990, still = 1940.

I think a committee should map this all out, then present the package to ARRL officials. I think you will have a better chance if all the hard work is done for them, then all they have to do is implement it.

And don't do anything to upset the present rules for the regular FD participants, we don't want a backlash from them.

73, John Dilks, K2TQN

-.-

----- Original Message -----
From: "Carl" <km1h@...>
To: glowbugradio@yahoogroups.com, fieldday@...
Sent: Tuesday, June 25, 2013 8:54:23 AM
Subject: Re: [glowbugradio] Edited suggestion on FD rules change proposed.

After thinking a bit more about it, how about this:

2 points per contact if using a vintage rig. These would be in ADDITION to the points allotted by mode which are 1 point for voice, 2 points for CW and digital.

When using a vintage rig, the total per contact would then be 3 points for voice modes which should include AM and FM, 4 points for CW and digital.

There should be different vintage classes: Class I would be any vintage rig built (or designed if home brew) prior to 1960 and/or the advent of the general use of the transistor. Class II would be any rig built after 1960 and up
to 1970, Class III would be any rig built 1971 to 1980.

Kenneth G. Gordon W7EKB

** Id suggest 3 points for WW2 and earlier

Carl
KM1H

1679. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 13:14:41 UTC
From: Carl
Topic: 1667 Message: 1679

So what would my PP 211's on 80 and the National SW-58 regen count as?

I did comfirm DXCC with the TX (-;

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: tvamfm@... ; glowbugradio@yahoogroups.com
Sent: Monday, June 24, 2013 9:01 PM
Subject: Re: [glowbugradio] Suggestions.

On 24 Jun 2013 at 20:38, tvamfm@... wrote:

> Super idea. I don't use anything more modern than a TR7 and most rigs are
> much older than
> that. How many points do I get for an HT-17 and S-53?
>
> 73,
>
> John, W4AWM

Lessee.....53 points for the S-53 and 17 points for the HT-17: that makes 70
points total. Hee
hee! :-)

Ken

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3199/5939 - Release Date: 06/25/13

1680. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-25 14:37:12 UTC
From: tvamfm@...
Topic: 1654 Message: 1680

And besides all that, when someone drops the E Bomb, only the guys running tube gear like the Af-67, PMR-6 and PE-103 and dviving '57 Chevies will still be on the air and able to get around.

73,

 John, W4AWM

-----Original Message-----
From: Robert Nickels <w9ran@...>
To: kgordon2006 <kgordon2006@...>
Cc: Glowbugradio <Glowbugradio@yahoogroups.com>
Sent: Tue, Jun 25, 2013 12:16 am
Subject: Re: [glowbugradio] Field Day irritations....

  On 6/24/2013 9:48 PM, Kenneth G. Gordon wrote:
> I think that is an absolutely excellent idea, Bob. In fact, after you
> triggered off the light bulb over my head, I fired off an e-mail to
> fieldday@... on that very subject. I hope others will do the
> same, and keep doing it until we get some response...even "No"..

I remember when Barry Wiseman, the original publisher of Electric Radio, tried to start the "Vintage Field Day", but participation was always low and in part I suspect because those of us who were motivated to do it were also involved in the "real FD" and there's only so much time and energy to go round.

But bringing the vintage option to Field Day would seem to be a perfect solution, since it wouldn't hurt those groups that run modern gear, who would receive the same points as they do now. It would pull some of "us" into FD who otherwise wouldn't participate. And as you mentioned, even the appliance-operator types commented about how it was a "neat antique" -- the point being that vintage gear gets noticed and will draw more attention from visitors and the media. Putting Ham Radio into the public spotlight and showcasing our emergency communications capabilities are what Field Day is all about, and demonstrating gear that was built 50 or more years ago would be the perfect "hook" for an interesting news story. (In fact, I'll bet it would steal the show!)

Back to ER - why not try to enlist the support of the new publisher, Ray Osterwald NØDMS in this effort? He could help spread the word amongst the boatanchor crowd and if we all sent polite requests to ARRL, who knows we might just get it!

73, Bob W9RAN

1681. Re: [glowbugradio] Field Day irritations....

Yahoo group: glowbugradio
Date: 2013-06-25 15:15:37 UTC
From: Jim
Topic: 1654 Message: 1681

I think the idea of adding vintage points to the mix would invigorate FD -- there are always a few multi-multi stations that want to gobble up all the points they can, and I've been on one FD that was a very small operation but we did everything under the sun to take advantage of that year's new crop of bonus points for digital comm, satcomm, etc.

But not quite to the point of hooking a generator to a bicycle....

I think that being able to add a /V on your call for a 2x multiplier on all your QSOs would be super -- and let the non /V station take a 2X on your QSO too. I don't have an R-390 any more, but I do have a DX-100 and other assorted tube RX gear. As long as FD is a fun event, we should be able to dust off our shelf princesses, cart them out to the FD site, and blow a little old-fashioned smoke.

Oh yeah, I also have a pair of VHF-1 Senecas that need minor refurb to go back on the air. That would be sweet to have a DX-100 next to a Seneca working a bunch of AM on FD under a rain fly in the woods, with suitable same-vintage hollow-state RXs.

73
Jim N6OTQ

>_____
> From: Robert Nickels <w9ran@...>
>To: kgordon2006@...
>Cc: Glowbugradio@yahoogroups.com
>Sent: Monday, June 24, 2013 11:15 PM
>Subject: Re: [glowbugradio] Field Day irritations....
>
>
>On 6/24/2013 9:48 PM, Kenneth G. Gordon wrote:
>> I think that is an absolutely excellent idea, Bob. In fact, after you
>> triggered off the light bulb over my head, I fired off an e-mail to
>> fieldday@... on that very subject. I hope others will do the
>> same, and keep doing it until we get some response...even "No"..
>
>I remember when Barry Wiseman, the original publisher of Electric Radio,
>tried to start the "Vintage Field Day", but participation was always low
>and in part I suspect because those of us who were motivated to do it
>were also involved in the "real FD" and there's only so much time and
>energy to go round.
>
>But bringing the vintage option to Field Day would seem to be a perfect
>solution, since it wouldn't hurt those groups that run modern gear, who
>would receive the same points as they do now. It would pull some of
>"us" into FD who otherwise wouldn't participate. And as you mentioned,
>even the appliance-operator types commented about how it was a "neat
>antique" -- the point being that vintage gear gets noticed and will draw

>more attention from visitors and the media. Putting Ham Radio into the
>public spotlight and showcasing our emergency communications
>capabilities are what Field Day is all about, and demonstrating gear
>that was built 50 or more years ago would be the perfect "hook" for an
>interesting news story. (In fact, I'll bet it would steal the show!)
>
>Back to ER - why not try to enlist the support of the new publisher, Ray
>Osterwald NØDMS in this effort? He could help spread the word amongst
>the boatanchor crowd and if we all sent polite requests to ARRL, who
>knows we might just get it!
>
>73, Bob W9RAN
>

1682. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 15:17:36 UTC
From: Jim
Topic: 1667 Message: 1682

Would that work into 100 points for a DX-100 and 390 points for an R-390?

So then a Johnson Invader 2000 would be ......

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: tvamfm@...; glowbugradio@yahoogroups.com
>Sent: Monday, June 24, 2013 8:01 PM
>Subject: Re: [glowbugradio] Suggestions.
>
>
>On 24 Jun 2013 at 20:38, tvamfm@... wrote:
>
>> Super idea. I don't use anything more modern than a TR7 and most rigs are much older
than
>> that. How many points do I get for an HT-17 and S-53?
>>
>> 73,
>>
>> John, W4AWM
>
>Lessee.....53 points for the S-53 and 17 points for the HT-17: that makes 70 points total.
Hee
>hee! :-)
>
>Ken
>
>
>----------
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>Yahoo! Groups Links
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1683. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 15:53:00 UTC
From: Kenneth G. Gordon
Topic: 1667 Message: 1683

On 25 Jun 2013 at 8:17, Jim wrote:

> Would that work into 100 points for a DX-100 and 390 points for an
> R-390?
>
> So then a Johnson Invader 2000 would be ......

Yeehaw! :-)

Ken W7EKB

1684. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 15:59:02 UTC
From: Kenneth G. Gordon
Topic: 1667 Message: 1684

On 25 Jun 2013 at 9:14, Carl wrote:

> So what would my PP 211's on 80 and the National SW-58 regen count as?

Lessee...1929 PP-211s: 84 years, 84 points, SW-58: 2013-1934=79,
79+84=163. Kewel! :-)

> I did comfirm DXCC with the TX (-;

Even MORE "kewel" as the computer-kidz say.

Ken W7EKB

1685. Re: [glowbugradio] Edited suggestion on FD rules change proposed.

Yahoo group: glowbugradio
Date: 2013-06-25 16:06:33 UTC
From: Kenneth G. Gordon
Topic: 1674 Message: 1685

On 25 Jun 2013 at 13:09, oldradio@... wrote:

> I like all this thinking.
>
> But perhaps it should be the ckt design year equivalent, ie: design is
> pre 1940 but built in 1990, still = 1940.

Yes. Absolutely. There is very little equipment that was BUILT in 1940 that is till operable, but there are many, like Carl and me, who build and operate CIRCUITS from 1940 and before. There is also restored equipment to consider.

> I think a committee should map this all out, then present the package
> to ARRL officials.

Well, I am completely in the dark about how to arrange such: I have always been pretty much alone in what I do. I have found kindred spirits here and some few other places, but I am on the other side of the country too.

> I think you will have a better chance if all the
> hard work is done for them, then all they have to do is implement it.

Yes. That makes absolute sense. Arrange things so that they have to do the minimum amount of work. By properly configuring our agenda, we may be able to give them something they will accept pretty much without hesitation.

> And don't do anything to upset the present rules for the regular FD
> participants, we don't want a backlash from them.

Again, absolutely not!

Excellent ideas here, John. I have sent repeated e-mails to fieldday@... which contained similar ideas.

I am getting an awful lot of support for these ideas from the ARC-5 forum guys too....but even so, we are a pretty small group of hams.

Nonetheless, I think that if we work this correctly, we can get what we want.

As Robert said, we should be able to get what we desire while at the same time giving the big guns a reason to if not join us, at least accept our ideas.

Another source of points for them.

Ken W7EKB

1686. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 16:06:36 UTC
From: L L bahr
Topic: 1667 Message: 1686

The problem I see with Field Day in Texas is the heat. Why in the world would the ARRL pick a date when it is 100 degrees F here in Texas at that time of the year. Especially when the World revolves around The Great State of Texas? Then the ham population is aging. I no longer enjoy sitting out in the heat. I love my air conditioning. Also boat anchors are heavy. I would not consider hauling them around anymore nor risking scratching paint jobs. Like many on this list, we are different and have little in common with most ham clubs these days. I over the years helped form a few but no longer belong to any. I have nothing in common with most members of clubs. Consequently many like me, Glow Bug or Boat Anchor people, don't belong to clubs, thus don't get involved with club Field Days. Lastly I hate contests. No, these days I stick close to just talking to a few select friends who like doing the same thing as I and then keep busy repairing old rigs. I am now pretty much a club of ONE. The club does exactly the things I like to do. I love this club of one!

Lee, w0vt

M ember of the Curmudgeon Society

and Old Bastards Garden and Chess Club

1687. Re: [glowbugradio] Edited suggestion on FD rules change proposed.

Yahoo group: glowbugradio
Date: 2013-06-25 16:08:49 UTC
From: Kenneth G. Gordon
Topic: 1674 Message: 1687

On 25 Jun 2013 at 8:54, Carl wrote:

>
> After thinking a bit more about it, how about this:
>
> 2 points per contact if using a vintage rig. These would be in
> ADDITION to the points allotted by mode which are 1 point for voice, 2
> points for CW and digital.
>
> When using a vintage rig, the total per contact would then be 3 points
> for voice modes which should include AM and FM, 4 points for CW and
> digital.
>
> There should be different vintage classes: Class I would be any
> vintage rig built (or designed if home brew) prior to 1960 and/or the
> advent of the general use of the transistor. Class II would be any rig
> built after 1960 and up to 1970, Class III would be any rig built 1971
> to 1980.
>
> Kenneth G. Gordon W7EKB
>
> ** Id suggest 3 points for WW2 and earlier
>
> Carl
> KM1H

Excellent! I'll add that to the mix.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1688. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 16:44:21 UTC
From: Carl Yaffey
Topic: 1667 Message: 1688

But only 1 lousy point for my Valiant 1 . . .

On Jun 25, 2013, at 11:53 AM, Kenneth G. Gordon <kgordon2006@...> wrote:

> On 25 Jun 2013 at 8:17, Jim wrote:
>
> > Would that work into 100 points for a DX-100 and 390 points for an
> > R-390?
> >
> > So then a Johnson Invader 2000 would be ......
>
> Yeehaw! :-)
>
> Ken W7EKB
>

Carl Yaffey K8NU
Banjo, guitar, bass, mandolin, dobro.
recording studio.
cyaffeyNO_SPAM@...
614 268 6353, Columbus OH
http://www.carl-yaffey.com
http://www.grassahol.com

1689. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 17:31:55 UTC
From: Carl
Topic: 1667 Message: 1689

On 25 Jun 2013 at 8:17, Jim wrote:

> Would that work into 100 points for a DX-100 and 390 points for an
> R-390?
>
> So then a Johnson Invader 2000 would be ......

Yeehaw! :-)

Ken W7EKB

So a HRO-500, CE-100V, and NCL-2000 rings the bell at 2600 points.....I
have all of them here.

For battery use there is the AF-67 with a Halli PS-150 mobile supply and the
HRO-500 switched to 12V.
All operational and plenty of room for a radio op in the 68 Impala SS 396
ragtop.
For real vintage at 6VDC a Gonset converter, AF-54 and vibrator supply will
work in the 37 Buick Roadmaster sedan.

Carl
KM1H

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3199/5939 - Release Date: 06/25/13

1690. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 19:02:21 UTC
From: jwp1775@...
Topic: 1667 Message: 1690

Nice to see all the comments on here!

John, K9OF

----- Original Message -----
From: "Carl" <km1h@...>
To: glowbugradio@yahoogroups.com
Cc: Glowbugradio@yahoogroups.com
Sent: Tuesday, June 25, 2013 1:31:55 PM
Subject: Re: [glowbugradio] Suggestions.

On 25 Jun 2013 at 8:17, Jim wrote:

> Would that work into 100 points for a DX-100 and 390 points for an
> R-390?
>
> So then a Johnson Invader 2000 would be ......

Yeehaw! :-)

Ken W7EKB

So a HRO-500, CE-100V, and NCL-2000 rings the bell at 2600 points.....I
have all of them here.

For battery use there is the AF-67 with a Halli PS-150 mobile supply and the
HRO-500 switched to 12V.
All operational and plenty of room for a radio op in the 68 Impala SS 396
ragtop.
For real vintage at 6VDC a Gonset converter, AF-54 and vibrator supply will
work in the 37 Buick Roadmaster sedan.

Carl
KM1H

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3199/5939 - Release Date: 06/25/13

1691. RE: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-25 19:03:32 UTC
From: D C _Mac_ Macdonald
Topic: 1667 Message: 1691

And the 12, 17, 30, and 60 meter bands aren't contest bands.

I'm 75 and FD is about my only current HF operation. Our club

(Oklahoma City Autopatch Association) has been "doing" FD

for quite a few years, originally at my instigation some 20

years ago.

We learn through experimentation which antennas "work" well

and which don't. I took two antennas but neither worked worth

a hoot, so I went home and brought back a 450 Ohm ladder-line

fed dipole of about 90 feet or so and worked it on phone on all

FD bands 80 through 10. Between phone, CW, and digital stations,

we worked 505 stations; not great but respectable.

We had good food, really nice shelter/pavillion at a city park,

no power lines in the area, and an overall good time! I'd say

that the average age of operators was certainly over 50!

As is always the case, it's a matter of what floats your boat!

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@hotmail.com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: pulsarxp@embarqmail.com
Date: Tue, 25 Jun 2013 12:06:36 -0400
Subject: Re: [glowbugradio] Suggestions.

The problem I see with Field Day in Texas is the heat. Why in the world would the ARRL pick a date when it is 100 degrees F here in Texas at that time of the year. Especially when the World revolves around The Great State of Texas? Then the ham population is aging. I no longer enjoy sitting out in the heat. I love my air conditioning. Also boat anchors are heavy. I would not consider hauling them around anymore nor risking scratching paint jobs. Like many on this list, we are different and have little in common with most ham clubs

these days. I over the years helped form a few but no longer belong to any. I have nothing in common with most members of clubs. Consequently many like me, Glow Bug or Boat Anchor people, don't belong to clubs, thus don't get involved with club Field Days. Lastly I hate contests. No, these days I stick close to just talking to a few select friends who like doing the same thing as I and then keep busy repairing old rigs. I am now pretty much a club of ONE. The club does exactly the things I like to do. I love this club of one!

Lee, w0vt

Member of the Curmudgeon Society

and Old Bastards Garden and Chess Club

1692. Re: [glowbugradio] Field Day fun!

Yahoo group: glowbugradio
Date: 2013-06-25 21:33:44 UTC
From: Kenneth G. Gordon
Topic: 1667 Message: 1692

On 25 Jun 2013 at 14:03, D C _Mac_ Macdonald wrote:

> We learn through experimentation which antennas "work" well
> and which don't.

The best antennas I have ever used on FD were two Vee-beams, fed with open-wire line, and stuck up in really tall trees on top of a mountain near Missoula, Montana. Since the ground sloped away from the top so hard, as I remember it the far ends were at least 100 feet up. We left them there when we shut down. They were simply too difficult to pull down. Leg lengths were at least 120 feet.

Man! Did those things EVER work!

Our first contact, using an SB-101, gave us a 5/9+20 in Florida.

Those things worked at least as well as 1500 watt linears and a three element beam.

We pointed them more or less south-east.

And there was absolutely zero noise up there...

Sigh...

Ken W7EKB

1693. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-26 02:54:59 UTC
From: Charles MacDonald
Topic: 1667 Message: 1693

On 13-06-25 01:31 PM, Carl wrote:

> For real vintage at 6VDC a Gonset converter, AF-54 and vibrator supply will
> work in the 37 Buick Roadmaster sedan.

That might even attract a crowd.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1694. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-26 14:58:03 UTC
From: Carl
Topic: 1667 Message: 1694

The Buick always draws a crowd and there is no mobile setup in it yet.

One family owner before me, local purchase and only 67K on the odometer, 33K when purchased in 1975. Always garage kept, not winter driven, about 80% original black paint. I did have some parts rechromed, shocks rebuilt, new kingpins and springs, new brakes and all hydraulics, etc.

With modern 16" radials it cruises great at 70-75 mph and the full cover dual sidemounts (original) really add class. OTOH, that 320" straight 8 wont pass a gas station. Also had a valve job and head milled to raise cr from the anemic 5.75 and added the factory dual carb and linkage option from a 1941....it improved highway economy.

Carl
KM1H

----- Original Message -----
From: Charles MacDonald
To: glowbugradio@yahoogroups.com
Sent: Tuesday, June 25, 2013 10:54 PM
Subject: Re: [glowbugradio] Suggestions.

On 13-06-25 01:31 PM, Carl wrote:

> For real vintage at 6VDC a Gonset converter, AF-54 and vibrator supply
> will
> work in the 37 Buick Roadmaster sedan.

That might even attract a crowd.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3204/5942 - Release Date: 06/26/13

1695. Re: [glowbugradio] Suggestions.

Yahoo group: glowbugradio
Date: 2013-06-26 15:37:11 UTC
From: Kenneth G. Gordon
Topic: 1667 Message: 1695

On 26 Jun 2013 at 10:58, Carl wrote:

> The Buick always draws a crowd and there is no mobile setup in it yet.
>
> One family owner before me, local purchase and only 67K on the
> odometer, 33K when purchased in 1975. Always garage kept, not winter
> driven, about 80% original black paint. I did have some parts
> rechromed, shocks rebuilt, new kingpins and springs, new brakes and
> all hydraulics, etc.
>
> With modern 16" radials it cruises great at 70-75 mph and the full
> cover dual sidemounts (original) really add class. OTOH, that 320"
> straight 8 wont pass a gas station. Also had a valve job and head
> milled to raise cr from the anemic 5.75 and added the factory dual
> carb and linkage option from a 1941....it improved highway economy.

I just looked up a photo of one: what a beauty! :-)

It's almost as pretty as my '53 Hudson Hornet Twin-H Power Club Coupe....which I don't have any more.... :-(

I did have a mobile in that though. I used a Johnson Viking Mobile with its original dual-vibrator supply, and a triple-conversion receiver. One conversioin stage was the car radio. The rest were ARC-5 receivers. Worked great. The Master Mobile was mounted in the center of the trunk lid.

Ken W7EKB

1696. A VHF amp to repair.

Yahoo group: glowbugradio
Date: 2013-06-28 20:12:34 UTC
From: Kenneth G. Gordon
Topic: 1696 Message: 1696

A ham-friend, who has only one arm, has asked me to look at a Tokyo High Power Labs model HL-110V VHF amplifier which he got recently.

The HL-110V requires either 5 watts (low) or 10 watts (high) maximum input for 110 watts output. From the reviews I have read of it, the amp is quite robust and reliable.

One of the original owners of my friend's amp drove it with 55 watts. My friend connected the amp and turned in on with no input when he first got it. Within 5 minutes, the heat-sink had gotten so hot that he burned his hand when he touched it. Obviously, the two driver transistors, and the two output transistors are shot.

I have found a fellow who sells matched pairs of the output transistors for $25.00 each.

However, I have not yet been able to find a manual, either operators or maintenance, for the HL-110V.

I did find a schematic which would suffice although it is too small and not very well scannned (Tokyo's website).

The question from my friend (and from me) is, is this amp worth repairing?

He doesn't want to spend more than $100 on it. The transistors alone, assuming that all are even available, will cost very close to $100.

I am thinking that it is not really worth fixing, but what would a new 110 watt VHF amp cost these days? Or even a working used one? What models might one consider to replace this one?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1697. Re: [glowbugradio] A VHF amp to repair.

Yahoo group: glowbugradio
Date: 2013-06-28 21:11:16 UTC
From: Jim
Topic: 1696 Message: 1697

Kenneth,

A new 100 watt-class VHF amp costs close to $300 nowadays for something that's not the 2M equivalent of a CB "hot box" or "competition amp" (IOW, poorly engineered and slapped together in somebody's back yard shed).

The decision to repair needs to be based on the owner's willingness to pay for the repair. As-is, the amp MIGHT fetch $30 at a swapfest -- or $300 on fleabay if listed as "condx unknown, unable to test." It seems that there's a lot of money to be made on fleabay by lying.

What you'll likely find is that even with the known cost of transistors, there'll be some passive components that also need replacing, as well as most of the ferrites (unless it's a stripline design). So it's bound to cost more than $100, which you said is as much as the owner wants to pay.

One question -- while we can almost for sure assume that the transistors are smoked, have you lifted a tab and tested any of them? There's a remote chance that not everything is dead inside. The assumption that the most expensive parts have failed is one of the most common troubleshooting mistakes we make.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: Glowbugradio@yahoogroups.com
>Sent: Friday, June 28, 2013 3:12 PM
>Subject: [glowbugradio] A VHF amp to repair.
>
>
>A ham-friend, who has only one arm, has asked me to look at a Tokyo High
>Power Labs model HL-110V VHF amplifier which he got recently.
>
>The HL-110V requires either 5 watts (low) or 10 watts (high) maximum input
>for 110 watts output. From the reviews I have read of it, the amp is quite
>robust and reliable.
>
>One of the original owners of my friend's amp drove it with 55 watts. My
>friend connected the amp and turned in on with no input when he first got it.
>Within 5 minutes, the heat-sink had gotten so hot that he burned his hand
>when he touched it. Obviously, the two driver transistors, and the two output
>transistors are shot.
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>I have found a fellow who sells matched pairs of the output transistors for
>$25.00 each.

>
>However, I have not yet been able to find a manual, either operators or
>maintenance, for the HL-110V.
>
>I did find a schematic which would suffice although it is too small and not
>very well scannned (Tokyo's website).
>
>The question from my friend (and from me) is, is this amp worth repairing?
>
>He doesn't want to spend more than $100 on it. The transistors alone,
>assuming that all are even available, will cost very close to $100.
>
>I am thinking that it is not really worth fixing, but what would a new 110 watt
>VHF amp cost these days? Or even a working used one? What models
>might one consider to replace this one?
>
>Kenneth G. Gordon W7EKB
>

1698. Re: [glowbugradio] A VHF amp to repair.

Yahoo group: glowbugradio
Date: 2013-06-28 21:39:38 UTC
From: Kenneth G. Gordon
Topic: 1696 Message: 1698

Thanks for that below, Jim.

I have not yet had a chance to even look at the amp, so I can't say what is gone and what is still OK.

That heatsink problem does concern me though...

Ken W7EKB

On 28 Jun 2013 at 14:11, Jim wrote:

> Kenneth,
>
> A new 100 watt-class VHF amp costs close to $300 nowadays for
> something that's not the 2M equivalent of a CB "hot box" or
> "competition amp" (IOW, poorly engineered and slapped together in
> somebody's back yard shed).
>
> The decision to repair needs to be based on the owner's willingness to
> pay for the repair. As-is, the amp MIGHT fetch $30 at a swapfest --
> or $300 on fleabay if listed as "condx unknown, unable to test." It
> seems that there's a lot of money to be made on fleabay by lying.
>
> What you'll likely find is that even with the known cost of
> transistors, there'll be some passive components that also need
> replacing, as well as most of the ferrites (unless it's a stripline
> design). So it's bound to cost more than $100, which you said is as
> much as the owner wants to pay.
>
> One question -- while we can almost for sure assume that the
> transistors are smoked, have you lifted a tab and tested any of them?
> There's a remote chance that not everything is dead inside. The
> assumption that the most expensive parts have failed is one of the
> most common troubleshooting mistakes we make.
>
> 73
> Jim N6OTQ
>
>
>
> >_____
> > From: Kenneth G. Gordon <kgordon2006@...>
> >To: Glowbugradio@yahoogroups.com
> >Sent: Friday, June 28, 2013 3:12 PM
> >Subject: [glowbugradio] A VHF amp to repair.
> >

> >
> >A ham-friend, who has only one arm, has asked me to look at a Tokyo
> >High Power Labs model HL-110V VHF amplifier which he got recently.
> >
> >The HL-110V requires either 5 watts (low) or 10 watts (high) maximum
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> >amp is quite robust and reliable.
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> >One of the original owners of my friend's amp drove it with 55 watts.
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> >first got it. Within 5 minutes, the heat-sink had gotten so hot that
> >he burned his hand when he touched it. Obviously, the two driver
> >transistors, and the two output transistors are shot.
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> >I have found a fellow who sells matched pairs of the output
> >transistors for $25.00 each.
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> >However, I have not yet been able to find a manual, either operators
> >or maintenance, for the HL-110V.
> >
> >I did find a schematic which would suffice although it is too small
> >and not very well scannned (Tokyo's website).
> >
> >The question from my friend (and from me) is, is this amp worth
> >repairing?
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> >He doesn't want to spend more than $100 on it. The transistors alone,
> > assuming that all are even available, will cost very close to $100.
> >
> >I am thinking that it is not really worth fixing, but what would a
> >new 110 watt VHF amp cost these days? Or even a working used one?
> >What models might one consider to replace this one?
> >
> >Kenneth G. Gordon W7EKB
> >

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1699. Re: [glowbugradio] A VHF amp to repair.

Yahoo group: glowbugradio
Date: 2013-06-28 22:17:03 UTC
From: Jim
Topic: 1696 Message: 1699

IIRC the Tokyo Hi-power heatsinks are inadequate for 100% duty cycle, as with a repeater amp. 5 minutes with the amp running at 100% would overheat the heatsink ... but most modern RF transistors in modern designs are balalsted to turn down the power when the die gets too hot.

Like I said, more troubleshooting is in order before you decide anything. if the amp's toast, you and your friend know what the final tab is gonna look like.

Would your friend consider an upper limit of $150 once you've given the amp a thorough once-over? Tokyo Hi-power amps are pretty nice when they are in normal working order.

73
Jim N6OTQ

>_____
> From: Kenneth G. Gordon <kgordon2006@...>
>To: glowbugradio@yahoogroups.com
>Sent: Friday, June 28, 2013 4:39 PM
>Subject: Re: [glowbugradio] A VHF amp to repair.
>
>
>Thanks for that below, Jim.
>
>I have not yet had a chance to even look at the amp, so I can't say what is
>gone and what is still OK.
>
>That heatsink problem does concern me though...
>
>Ken W7EKB
>
>
>On 28 Jun 2013 at 14:11, Jim wrote:
>
>> Kenneth,
>>
>> A new 100 watt-class VHF amp costs close to $300 nowadays for
>> something that's not the 2M equivalent of a CB "hot box" or
>> "competition amp" (IOW, poorly engineered and slapped together in
>> somebody's back yard shed).
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>> The decision to repair needs to be based on the owner's willingness to
>> pay for the repair. As-is, the amp MIGHT fetch $30 at a swapfest --
>> or $300 on fleabay if listed as "condx unknown, unable to test." It
>> seems that there's a lot of money to be made on fleabay by lying.
>>
>> What you'll likely find is that even with the known cost of

>> transistors, there'll be some passive components that also need
>> replacing, as well as most of the ferrites (unless it's a stripline
>> design). So it's bound to cost more than $100, which you said is as
>> much as the owner wants to pay.
>>
>> One question -- while we can almost for sure assume that the
>> transistors are smoked, have you lifted a tab and tested any of them?
>> There's a remote chance that not everything is dead inside. The
>> assumption that the most expensive parts have failed is one of the
>> most common troubleshooting mistakes we make.
>>
>> 73
>> Jim N6OTQ
>

1700. Re: [glowbugradio] A VHF amp to repair.

Yahoo group: glowbugradio
Date: 2013-06-28 22:53:45 UTC
From: Paul Daulton
Topic: 1696 Message: 1700
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1701. Re: [glowbugradio] A VHF amp to repair.

Yahoo group: glowbugradio
Date: 2013-06-28 23:31:40 UTC
From: Rod Hogg
Topic: 1696 Message: 1701

Ken,
Before you 'ditch' it, I would lift the bases of the transistors and give them an ohm meter test.
I have seen transistor amps get so hot they would blister you and still work just fine.
Worth the effort to be sure if all are damaged. A new dab of heatsink compund would be in order if you get them out. Be sure to lift the base shunts and resistors also to check.
Rod
KØEQH

From: Kenneth G. Gordon <kgordon2006@...>
To: glowbugradio@yahoogroups.com
Sent: Friday, June 28, 2013 4:39 PM
Subject: Re: [glowbugradio] A VHF amp to repair.

Thanks for that below, Jim.

I have not yet had a chance to even look at the amp, so I can't say what is
gone and what is still OK.

That heatsink problem does concern me though...

Ken W7EKB

On 28 Jun 2013 at 14:11, Jim wrote:

>> >Subject: [glowbugradio] A VHF amp to repair.
> >
> >
> >A ham-friend, who has only one arm, has asked me to look at a Tokyo
> >High Power Labs model HL-110V VHF amplifier which he got recently.
> >
> >The HL-110V requires either 5 watts (low) or 10 watts (high) maximum
> >input for 110 watts output. From the reviews I have read of it, the
> >amp is quite robust and reliable.
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> >One of the original owners of my friend's amp drove it with 55 watts.
> >My friend connected the amp and turned in on with no input when he
> >first got it. Within 5 minutes, the heat-sink had gotten so hot that
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> >transistors, and the two output transistors are shot.
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> >I have found a fellow who sells matched pairs of the output
> >transistors for $25.00 each.
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> >However, I have not yet been able to find a manual, either operators
> >or maintenance, for the HL-110V.

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> >I did find a schematic which would suffice although it is too small
> >and not very well scannned (Tokyo's website).
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> >repairing?
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> >He doesn't want to spend more than $100 on it. The transistors alone,
> > assuming that all are even available, will cost very close to $100.
> >
> >I am thinking that it is not really worth fixing, but what would a
> >new 110 watt VHF amp cost these days? Or even a working used one?
> >What models might one consider to replace this one?
> >
> >Kenneth G. Gordon W7EKB
> >

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1702. Boatanchor items FS

Yahoo group: glowbugradio
Date: 2013-07-05 12:50:47 UTC
From: Ken Simpson, W8EK
Topic: 585 Message: 1702

Boatanchor Items For Sale:

Grid Dip Meters, Headphones Cord, Desk Microphones,
Audio processor, Vibroplex Bug and other CW items,
Communications Speakers, SWR Bridges, Power Supply,

Millen 90651 Grid Dip Meter:

This grid dip meter really is a GRID dip meter, as it
uses a vacuum tube instead of one of the newer solid
state devices. Most people think the actual grid dip
meter with a tube works better than the newer meters.

This meter has a set of six coils with it, covering
from 1.7 to 150 MHz. All of these coils are in a
very nice black crinkle metal storage rack. Just
the coil set in the rack sold for $110 on e-bay.

I brought this unit up slowly on a variac, and all seems
to be fine. Cosmetically, there are a couple of paint
chips off -- just enough to tell that the chassis is
made of copper.

This is really a piece of history, but it also works.

With manual, and set of six coils in the rack for
$100.

Heath GD-1 B Grid Dip Meter:

At one point, this was the "standard" grid dip meter,
used by almost everyone for boatanchor rigs.

It covers 2 to 250 MHz, with five coils. All five coils
are included (even the little piece of wire that is the
100 to 250 MHz coil).
The box that holds the coils is original and in good
condition.

Paper work is included for $45.

Antique Cotton Covered Headphones Cord:

This is a cord that is made to be a replacement cord for
most antique headphones. The cord is cotton covered with
one pair of the special tip jacks that were used back in
the WW II days to adapt to the receiver, with two pairs
of the tip plugs at the other end -- one for each of the

ear pieces. It also has the cotton fabric strain reliefs
included.

This cord appears to be in virtually new condition. I
know, it can't be new and be over 60 years old, but it
is in new condition. Certainly extremely unusual now.
Only $15.

Astatic D-104 "Lollypop" Desk Microphone:

The D-104 is a high impedance microphone that matches many
of the older rigs, and is often seen pictured with them.
It looks somewhat like a giant chrome plated lollypop,
stuck into a gray base. The chrome PTT switch is a bar
that is parallel to the "stick" of the lollypop.

This particular D-104 has the amplifier in the base, however,
that amplifier may be bypassed if it is not needed. The mic
works fine and is in pristine condition. The chrome,
including the screws, shines nicely.

With paper work for $65.

Yaesu YD-148 Dual Impedance Desk Microphone:

The Yaesu YD-148 is a very nice "gooseneck" type desk microphone.
It has both high and low impedances, which can be selected by a
switch. This means it can be used on some of the older rigs
requiring a high impedance mic, or with the more modern rigs
needing a low impedance mic.

This particular mic has had the mic element replaced with a
Heil HC-4 element, which is the "DX" element that Heil
designed for superior audio punch to get thru pileups.
These elements are no longer available, but are worth
$50 for just the element.

This particular mic is in very nice condition. It works 100%.
At the present time, it has an 8 pin connector, wired for
Kenwood, on it, which of course can be changed. $85

Knight C-577 Audio Compressor Pre-Amplifier:

This unit inserts in the microphone audio line of
your transmitter / transceiver. It is used to "level
off" the audio, so that your audio has more punch.
It uses a 9 volt battery for power.

This unit works fine and looks fine also.

Paperwork is included for $20.

Vibroplex "Original" Bug:

This Vibroplex "Original" bug was made in 1944 according to the serial number on its plate, but it looks like it was made only a couple months ago. It has the black crinkle base that is immaculate. No wear marks, no paint chips, no defects at all. This one is in its original box, although the box shows its age, and has been partially covered with tape. The finger piece does not look original to me. It appears to be plexiglass, more like a Bencher paddle. Of course replacements are available from Vibroplex if you are so inclined. $140

CW Key and other Morse Code Items:

Generic brass colored oval base key
This is similar to a J-38 (without the bakelite base), but is a Japanese copy. It is brass colored, but is not real brass. Includes shorting switch. This is mounted on a very nice piece of solid wood that is tear drop shaped. It works fine and looks really, really great. $25

ARRL Morse Code Exam CD
5 WPM version, sent at 15 WPM, but spaced for 5 WPM, with 750 hz tone $7

Cable for straight key
About 3 feet long, with a mono 1/8 inch (3.5 mm) phone plug on it, as used with a straight key. $5
As above, but 1/4 inch plug. $5

Cable for paddles
About 3 feet long, and with a 1/8 inch (3.5 mm) stereo connector on the end, like used by most rigs. $8
As above, but 1/4 inch plug. $8
As above, with 1/4 inch GOLD plated plug. $15

Communications Speakers:

Realistic 21-549 A
This speaker is about 4 inches square and about 2 inches deep. It is rated for 5 watts, has an 8 ohm impedance, and is listed as a 300 to 3000 Hz frequency response, making it ideal for communications. It has a 3.5 mm (1/8 inch) mono plug, as used by most modern rigs. Gimbal mount included. It is black in color, looks great, and sounds great. $15

Vanco SPB-5
Appears to be the same at above, but with a Vanco label. Also includes gimbal mount. $15

HF and VHF SWR Bridges:

All of these cover from 3 thru 150 MHz, covering HF, 6 meters, and 2 meters. SO-239 connectors in and out on all.

Royce 2-100 Single Meter SWR Bridge / Field Strength Meter
This one works fine, and looks extremely nice. I do not see
any scratches on it, but it does have a previous owner's
name on it.
In its original box with original instructions. $25

Monarch FSI-3
Appears to be the same SWR Bridge as above, but with a
different faceplate and model number. Extremely nice
condition. $18

Heath AM-2 SWR Bridge:
This SWR Bridge matches the DX-40, although it can be
used with any HF or VHF transmitter. It is about 8 inches
wide and 4.5 inches high, with the meter in the middle,
and a gray colored knob at each side near the bottom.
This particular unit works fine and is in very good shape.
Paper work is included for $25.

Astron RS-20A Power Supply:

The RS-20A is a DC Power Supply producing 13.8 V DC (internally
adjustable from 11 to 15 V DC) at up to 16 amps continuous and
20 amps ICS. The RS-20 features crowbar over voltage protection
and fold-back current limiting to protect your equipment.

This particular supply works fine, and looks very close to new.
There is one very small scratch that can be seen if the light
is just right, but is not normally visible.

With paper work for $60.

I also have many other accessories available such as many
different types of microphones, HTs, various transceivers,
HF and VHF/UHF antennas, etc.
Just too many to list here. Please e-mail your requests.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

1703. SIX METERS OPEN

Yahoo group: glowbugradio
Date: 2013-07-08 17:38:41 UTC
From: Charlie , W5COV
Topic: 1703 Message: 1703

Six meters is wide open here , both short and long . A good day for a "wet noodle" antenna . Some hard to get grids and states very loud and active right now . Put whatever you have on 6 , tune around a little and HAVE A GREAT TIME !!

Charlie , W5COV

1704. Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-18 03:50:45 UTC
From: Charlie , W5COV
Topic: 1704 Message: 1704

Does anyone know of a group that lists parts radios and radio parts from the same , to buy sell or trade ? I ask because I have a couple of radios around here that are only good for parting out and perhaps someone could use some of the parts. I also have some parts that I am looking for that I would be interested in buying or trading for so I can restore some of my glowbug rigs to original parts where I have had to adapt something .

In my case it is not 100 % glowbug related . One example is I bought a TS-130SE , that had no case with it when I bought it since I bought it to take a filter out of it and put in my TS-830S . Someone had also taken the final assembly loose and I didn't do any troubleshooting or attempt to power it up since I just wanted the one part out of it . However the rest of the radio is complete and it basically is just taking up storage space since I bought and used it for my intended purpose and certainly have no plans of trying to find a case and troubleshoot it to try to bring it back to life .

I am sure there are others of us that could benefit from some other persons "junk." In my case I would be willing to trade for a variety of things and I am pretty certain I have a couple of other radios that are in the "parts radio" class. Rather trade than exchange cash since cash for radio projects is limited .

Any information on such a group would be very much appreciated .

Charlie , W5COV

1705. RE: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-18 08:32:31 UTC
From: Ken Durand
Topic: 1704 Message: 1705
Attachments: 2 described; binary payloads are missing from this source WARC

Well for the TS-130.. http://groups.yahoo.com/group/kenwoodts120_130/

Ken

N4zed

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Charlie , W5COV
Sent: Wednesday, July 17, 2013 11:51 PM
To: glowbugradio@yahoogroups.com
Subject: [glowbugradio] Parts Radios Group Question

Does anyone know of a group that lists parts radios and radio parts from the same , to buy sell or trade ? I ask because I have a couple of radios around here that are only good for parting out and perhaps someone could use some of the parts. I also have some parts that I am looking for that I would be interested in buying or trading for so I can restore some of my glowbug rigs to original parts where I have had to adapt something .

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I am sure there are others of us that could benefit from some other persons "junk." In my case I would be willing to trade for a variety of things and I am pretty certain I have a couple of other radios that are in the "parts radio" class. Rather trade than exchange cash since cash for radio projects is limited .

Any information on such a group would be very much appreciated .

Charlie , W5COV

1706. Re: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-18 18:16:54 UTC
From: Paul Daulton
Topic: 1704 Message: 1706
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1707. Re: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-18 18:56:00 UTC
From: Charlie , W5COV
Topic: 1704 Message: 1707

Thanks Paul , a very interesting page that I have not seen before . Hopefully I can at least pick up a few misc. pieces from there to return my old boat anchors to original condition .

I just figured most old time hams like me had similar situations . I just used the Kenwood as an example because I have a few more odds and ends parts radios that I have collected over the years . Time to start getting rid of a few things so the boys don't have to dispose of it some day and thought maybe I could help someone in the process .

I figure a lot of guys are needing a few odds and ends parts like you mentioned that you picked up and like I would like to find .

I think a parts radio parts swap group might be a good idea . I don't know of any central place to put everything on or the same kind of place to look for things .

I am not going to list things on eBay and hate to try and haul things to a hamfest . I am not much of a business person or out to make as much money as I can , is another reason I like the trade part too .

Going to go back and browse that page a bit more . Yep I really do need to get rid of a few things , my latest project to put an AM station in my 1959 Ford , just now arrived in the mail . It is the receiver portion anyway , A Gonset G-66B :) Now to find the matching 77 transmitter :)

73, Charlie , W5COV

On 7/18/2013 1:16 PM, Paul Daulton wrote:
>
> Charlie see
> http://tubes_tubes_tubes.tripod.com/index.html
>
> Ive bought knobs for my Hallicrafter SX43 from him. Maybe he will buy
> your Kenwood.
> Quoting "Charlie , W5COV" :
>
> Paul
>
> Does anyone know of a group that lists parts radios and radio
> parts from
> the same , to buy sell or trade ? I ask because I have a couple of
> radios around here that are only good for parting out and perhaps
> someone could use some of the parts. I also have some parts that I am
> looking for that I would be interested in buying or trading for so
> I can
> restore some of my glowbug rigs to original parts where I have had to

> adapt something .
>
> In my case it is not 100 % glowbug related . One example is I
> bought a
> TS-130SE , that had no case with it when I bought it since I
> bought it
> to take a filter out of it and put in my TS-830S . Someone had also
> taken the final assembly loose and I didn't do any troubleshooting or
> attempt to power it up since I just wanted the one part out of it .
> However the rest of the radio is complete and it basically is just
> taking up storage space since I bought and used it for my intended
> purpose and certainly have no plans of trying to find a case and
> troubleshoot it to try to bring it back to life .
>
> I am sure there are others of us that could benefit from some other
> persons "junk." In my case I would be willing to trade for a
> variety of
> things and I am pretty certain I have a couple of other radios
> that are
> in the "parts radio" class. Rather trade than exchange cash since
> cash
> for radio projects is limited .
>
> Any information on such a group would be very much appreciated .
>
> Charlie , W5COV
>
>
> Paul Daulton K5WMS
> beacon WMS 185.302 khz qrss30/slow 24/7
> Jacksonville,Ar 72076
> em34wu

1708. Re: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-18 21:16:40 UTC
From: David Holder
Topic: 1704 Message: 1708

How about posting them here? Beginning another list will take time and have to wait for it to build. Then, how many would participate? There are a few places on line as well for swap shop things. I am like Charlie, I have a number of items and parts to sell. I have recently bought the contents of an old CB shop and an old TV-Radio Repair Shop. I keep what I like and need and try to get rid of the rest. Trouble is, it doesn't go as fast as it came in.

David

On Thu, Jul 18, 2013 at 1:56 PM, Charlie , W5COV <cvest@...> wrote:

> **
>
>
> Thanks Paul , a very interesting page that I have not seen before .
> Hopefully I can at least pick up a few misc. pieces from there to return my
> old boat anchors to original condition .
>
> I just figured most old time hams like me had similar situations . I just
> used the Kenwood as an example because I have a few more odds and ends
> parts radios that I have collected over the years . Time to start getting
> rid of a few things so the boys don't have to dispose of it some day and
> thought maybe I could help someone in the process .
>
> I figure a lot of guys are needing a few odds and ends parts like you
> mentioned that you picked up and like I would like to find .
>
> I think a parts radio parts swap group might be a good idea . I don't know
> of any central place to put everything on or the same kind of place to look
> for things .
>
> I am not going to list things on eBay and hate to try and haul things to a
> hamfest . I am not much of a business person or out to make as much money
> as I can , is another reason I like the trade part too .
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> Going to go back and browse that page a bit more . Yep I really do need to
> get rid of a few things , my latest project to put an AM station in my 1959
> Ford , just now arrived in the mail . It is the receiver portion anyway , A
> Gonset G-66B :) Now to find the matching 77 transmitter :)
>
> 73, Charlie , W5COV
>
>
>
> On 7/18/2013 1:16 PM, Paul Daulton wrote:

>
> Charlie see
> http://tubes_tubes_tubes.tripod.com/index.html
>
> Ive bought knobs for my Hallicrafter SX43 from him. Maybe he will buy your
> Kenwood.
> Quoting "Charlie , W5COV" ****:
>
> Paul
>
> Does anyone know of a group that lists parts radios and radio parts from
> the same , to buy sell or trade ? I ask because I have a couple of
> radios around here that are only good for parting out and perhaps
> someone could use some of the parts. I also have some parts that I am
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> restore some of my glowbug rigs to original parts where I have had to
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> attempt to power it up since I just wanted the one part out of it .
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> taking up storage space since I bought and used it for my intended
> purpose and certainly have no plans of trying to find a case and
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> I am sure there are others of us that could benefit from some other
> persons "junk." In my case I would be willing to trade for a variety of
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> Any information on such a group would be very much appreciated .
>
> Charlie , W5COV
>
>
> Paul Daulton K5WMS
> beacon WMS 185.302 khz qrss30/slow 24/7
> Jacksonville,Ar 72076
> em34wu
>
>
>
>

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1709. Re: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-18 23:25:36 UTC
From: Charlie , W5COV
Topic: 1704 Message: 1709

Sounds good to me David as long as the moderators are okay with it .
I'll have to start doing a little weeding out . I too seem to have more
coming in that I really don't need or that I don't need to keep and
needs to go to someone else that can make use of it .

Charlie , W5COV

On 7/18/2013 4:16 PM, David Holder wrote:
> How about posting them here? Beginning another list will take time
> and have to wait for it to build. Then, how many would participate?
> There are a few places on line as well for swap shop things. I am
> like Charlie, I have a number of items and parts to sell. I have
> recently bought the contents of an old CB shop and an old TV-Radio
> Repair Shop. I keep what I like and need and try to get rid of the
> rest. Trouble is, it doesn't go as fast as it came in.
>
> David
>
>
> On Thu, Jul 18, 2013 at 1:56 PM, Charlie , W5COV <cvest@...
> <mailto:cvest@...>> wrote:
>
> Thanks Paul , a very interesting page that I have not seen before
> . Hopefully I can at least pick up a few misc. pieces from there
> to return my old boat anchors to original condition .
>
> I just figured most old time hams like me had similar situations .
> I just used the Kenwood as an example because I have a few more
> odds and ends parts radios that I have collected over the years .
> Time to start getting rid of a few things so the boys don't have
> to dispose of it some day and thought maybe I could help someone
> in the process .
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> I figure a lot of guys are needing a few odds and ends parts like
> you mentioned that you picked up and like I would like to find .
>
> I think a parts radio parts swap group might be a good idea . I
> don't know of any central place to put everything on or the same
> kind of place to look for things .
>
> I am not going to list things on eBay and hate to try and haul
> things to a hamfest . I am not much of a business person or out to
> make as much money as I can , is another reason I like the trade
> part too .
>

> Going to go back and browse that page a bit more . Yep I really do
> need to get rid of a few things , my latest project to put an AM
> station in my 1959 Ford , just now arrived in the mail . It is the
> receiver portion anyway , A Gonset G-66B :) Now to find the
> matching 77 transmitter :)
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> 73, Charlie , W5COV
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> On 7/18/2013 1:16 PM, Paul Daulton wrote:
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>> Charlie see
>> http://tubes_tubes_tubes.tripod.com/index.html
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>> Ive bought knobs for my Hallicrafter SX43 from him. Maybe he will
>> buy your Kenwood.
>> Quoting "Charlie , W5COV" :
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>> Paul
>>
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>> parts from
>> the same , to buy sell or trade ? I ask because I have a
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>> radios around here that are only good for parting out and
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>> someone could use some of the parts. I also have some parts
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>> looking for that I would be interested in buying or trading
>> for so I can
>> restore some of my glowbug rigs to original parts where I
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>> adapt something .
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>> In my case it is not 100 % glowbug related . One example is I
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>> to take a filter out of it and put in my TS-830S . Someone
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>> troubleshooting or
>> attempt to power it up since I just wanted the one part out
>> of it .
>> However the rest of the radio is complete and it basically is
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>> taking up storage space since I bought and used it for my
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>> purpose and certainly have no plans of trying to find a case and
>> troubleshoot it to try to bring it back to life .
>>
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>>
>> Charlie , W5COV
>>
>>
>> Paul Daulton K5WMS
>> beacon WMS 185.302 khz qrss30/slow 24/7
>> Jacksonville,Ar 72076
>> em34wu
>
>
>
>
> --
>
>

1710. Re: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-18 23:40:25 UTC
From: Kenneth G. Gordon
Topic: 1704 Message: 1710

> On 7/18/2013 4:16 PM, David Holder wrote:
>
> rest. Trouble is, it doesn't go as fast as it came in.
>
> David

Gee....you, too, huh? :-(

Ken W7EKB

1711. Re: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-19 01:43:01 UTC
From: Paul Daulton
Topic: 1704 Message: 1711
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1712. Re: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-19 14:12:50 UTC
From: Carl
Topic: 1704 Message: 1712

Those were already obsolete by 59 (-;

He needs a AF-68 and PMR-8

Carl
KM1H

----- Original Message -----
From: Paul Daulton
To: glowbugradio@yahoogroups.com
Sent: Thursday, July 18, 2013 9:43 PM
Subject: Re: [glowbugradio] Parts Radios Group Question

Charlie I have an Elmac AF67 and Gonset super six that would look good in your 59 Ford.

Paul

Quoting "Charlie , W5COV" :

Sounds good to me David as long as the moderators are okay with it . I'll have to start doing a little weeding out . I too seem to have more coming in that I really don't need or that I don't need to keep and needs to go to someone else that can make use of it .

Charlie , W5COV

On 7/18/2013 4:16 PM, David Holder wrote:

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David

On Thu, Jul 18, 2013 at 1:56 PM, Charlie , W5COV <cvest@...> wrote:

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I just figured most old time hams like me had similar situations . I just used the Kenwood as an example because I have a few more odds and ends parts radios that I have collected over the years . Time to start getting rid of a few things so the boys don't have to dispose of it some day and thought maybe I could help someone in the process .

I figure a lot of guys are needing a few odds and ends parts like you mentioned that you picked up and like I would like to find .

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Going to go back and browse that page a bit more . Yep I really do need to get rid of a few things , my latest project to put an AM station in my 1959 Ford , just now arrived in the mail . It is the receiver portion anyway , A Gonset G-66B :) Now to find the matching 77 transmitter :)

73, Charlie , W5COV

On 7/18/2013 1:16 PM, Paul Daulton wrote:

Charlie see
http://tubes_tubes_tubes.tripod.com/index.html

Ive bought knobs for my Hallicrafter SX43 from him. Maybe he will buy your Kenwood.
Quoting "Charlie , W5COV" :

Paul
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restore some of my glowbug rigs to original parts where I have had to
adapt something .

In my case it is not 100 % glowbug related . One example is I bought a
TS-130SE , that had no case with it when I bought it since I bought it
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taken the final assembly loose and I didn't do any troubleshooting or
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taking up storage space since I bought and used it for my intended
purpose and certainly have no plans of trying to find a case and
troubleshoot it to try to bring it back to life .

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persons "junk." In my case I would be willing to trade for a variety of
things and I am pretty certain I have a couple of other radios that are
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Any information on such a group would be very much appreciated .

Charlie , W5COV

Paul Daulton K5WMS
beacon WMS 185.302 khz qrss30/slow 24/7
Jacksonville,Ar 72076

em34wu

--

Paul Daulton K5WMS
beacon WMS 185.302 khz qrss30/slow 24/7
Jacksonville,Ar 72076
em34wu

1713. RE: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-19 15:52:00 UTC
From: D C _Mac_ Macdonald
Topic: 1704 Message: 1713

I have an extra Gonset G-77 and matching DC power supply available.

Ham Holiday hamfest is coming up 26-27 July here in Oklahoma City.

If interested, I can haul it to the hamfest. I have never powered it up.

Also have an extra G-66B. Found a NIB G-66B a few years back; don't need two.

Also have an AF-68 and PRM-8 and other boat anchor mobiles in the project list!

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@hotmail.com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@jeremy.mv.com
Date: Fri, 19 Jul 2013 10:12:50 -0400
Subject: Re: [glowbugradio] Parts Radios Group Question

☐
Those were already obsolete by 59 (-;

He needs a AF-68 and PMR-8

Carl
KM1H

----- Original Message -----
From: Paul Daulton
To: glowbugradio@yahoogroups.com
Sent: Thursday, July 18, 2013 9:43 PM
Subject: Re: [glowbugradio] Parts Radios Group Question

Charlie I have an Elmac AF67 and Gonset super six that would look good in your 59 Ford.

Paul

Quoting "Charlie , W5COV" :

Sounds good to me David as long as the moderators are okay with it . I'll have to start doing a little weeding out . I too seem to have more coming in that I really don't need or that I don't need to keep and needs to go to someone else that can make use of it .

Charlie , W5COV

On 7/18/2013 4:16 PM, David Holder wrote:

How about posting them here? Beginning another list will take time and have to wait for it to build. Then, how many would participate? There are a few places on line as well for swap shop things. I am like Charlie, I have a number of items and parts to sell. I have recently bought the contents of an old CB shop and an old TV-Radio Repair Shop. I keep what I like and need and try to get rid of the rest. Trouble is, it doesn't go as fast as it came in.

David

On Thu, Jul 18, 2013 at 1:56 PM, Charlie, W5COV <cvest@cox.net> wrote:

Thanks Paul, a very interesting page that I have not seen before. Hopefully I can at least pick up a few misc. pieces from there to return my old boat anchors to original condition .

I just figured most old time hams like me had similar situations. I just used the Kenwood as an example because I have a few more odds and ends parts radios that I have collected over the years. Time to start getting rid of a few things so the boys don't have to dispose of it some day and thought maybe I could help someone in the process.

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Going to go back and browse that page a bit more . Yep I really do need to get rid of a few things , my latest project to put an AM station in my 1959 Ford , just now arrived in the mail . It is the receiver portion anyway , A Gonset G-66B :) Now to find the matching 77 transmitter :)

73, Charlie , W5COV

1714. Re: [glowbugradio] Parts Radios Group Question

Yahoo group: glowbugradio
Date: 2013-07-19 21:32:24 UTC
From: Charlie , W5COV
Topic: 1704 Message: 1714

Okay well I'll start it off , with all of the parts for a Kenwood TS-130SE . It is semi glow bug related since I bought it for the filters and put them in my hybrid TS-830S . It is missing the entire cabinet , just the way I purchased it . I do not know what the original problem with it was , but suspect it may have been the finals , since the precious owner had mechanically removed the heat sink final section from the radio but left it hooked up electrically .Naturally it is missing the YK filters since I removed them and no microphone or power plug was with it . If you need something from it please let me know .

More to come as they surface , but just this one for now so I can keep things straight in my mind :) I have never owned one of these radios so if you need something very specific you will have to talk me through where it is . EVERYTHING WILL ABSOLUTELY BE AS IS AND DESCRIBED TO THE BEST OF MY ABILITY .

73, Charlie , W5COV

> How about posting them here? Beginning another list will take time
> and have to wait for it to build. Then, how many would participate?
> There are a few places on line as well for swap shop things. I am
> like Charlie, I have a number of items and parts to sell. I have
> recently bought the contents of an old CB shop and an old TV-Radio
> Repair Shop. I keep what I like and need and try to get rid of the
> rest. Trouble is, it doesn't go as fast as it came in.
>
> David
>
>
> On Thu, Jul 18, 2013 at 1:56 PM, Charlie , W5COV <cvest@...
> <mailto:cvest@...>> wrote:
>
> Thanks Paul , a very interesting page that I have not seen before
> . Hopefully I can at least pick up a few misc. pieces from there
> to return my old boat anchors to original condition .
>
> I just figured most old time hams like me had similar situations .
> I just used the Kenwood as an example because I have a few more
> odds and ends parts radios that I have collected over the years .
> Time to start getting rid of a few things so the boys don't have
> to dispose of it some day and thought maybe I could help someone
> in the process .
>
> I figure a lot of guys are needing a few odds and ends parts like
> you mentioned that you picked up and like I would like to find .
>

> I think a parts radio parts swap group might be a good idea . I
> don't know of any central place to put everything on or the same
> kind of place to look for things .
>
> I am not going to list things on eBay and hate to try and haul
> things to a hamfest . I am not much of a business person or out to
> make as much money as I can , is another reason I like the trade
> part too .
>
> Going to go back and browse that page a bit more . Yep I really do
> need to get rid of a few things , my latest project to put an AM
> station in my 1959 Ford , just now arrived in the mail . It is the
> receiver portion anyway , A Gonset G-66B :) Now to find the
> matching 77 transmitter :)
>
> 73, Charlie , W5COV
>
>
>
>
> On 7/18/2013 1:16 PM, Paul Daulton wrote:
>>
>> Charlie see
>> http://tubes_tubes_tubes.tripod.com/index.html
>>
>> Ive bought knobs for my Hallicrafter SX43 from him. Maybe he will
>> buy your Kenwood.
>> Quoting "Charlie , W5COV" :
>>
>> Paul
>>
>> Does anyone know of a group that lists parts radios and radio
>> parts from
>> the same , to buy sell or trade ? I ask because I have a
>> couple of
>> radios around here that are only good for parting out and
>> perhaps
>> someone could use some of the parts. I also have some parts
>> that I am
>> looking for that I would be interested in buying or trading
>> for so I can
>> restore some of my glowbug rigs to original parts where I
>> have had to
>> adapt something .
>>
>> In my case it is not 100 % glowbug related . One example is I
>> bought a
>> TS-130SE , that had no case with it when I bought it since I
>> bought it
>> to take a filter out of it and put in my TS-830S . Someone

>> had also
>> taken the final assembly loose and I didn't do any
>> troubleshooting or
>> attempt to power it up since I just wanted the one part out
>> of it .
>> However the rest of the radio is complete and it basically is
>> just
>> taking up storage space since I bought and used it for my
>> intended
>> purpose and certainly have no plans of trying to find a case and
>> troubleshoot it to try to bring it back to life .
>>
>> I am sure there are others of us that could benefit from some
>> other
>> persons "junk." In my case I would be willing to trade for a
>> variety of
>> things and I am pretty certain I have a couple of other
>> radios that are
>> in the "parts radio" class. Rather trade than exchange cash
>> since cash
>> for radio projects is limited .
>>
>> Any information on such a group would be very much appreciated .
>>
>> Charlie , W5COV
>>
>>
>> Paul Daulton K5WMS
>> beacon WMS 185.302 khz qrss30/slow 24/7
>> Jacksonville,Ar 72076
>> em34wu
>
>
>
>
> --
>
>

1715. Re: [glowbugradio] Floor-console radio question

Yahoo group: glowbugradio
Date: 2013-07-20 01:12:46 UTC
From: Kenneth G. Gordon
Topic: 1704 Message: 1715

I am moving my original query on this subject over here from the National list, as I think it belongs here rather than there.

To recap: back when I was a youngster, about 10 or 11 years old, our family came into the possession of a floor-console radio in a wooden cabinet with all kinds of shortwave bands on it.

I really liked tuning around with that thing. I fixed up a much longer outside antenna, and when my listening to it so much began to bother my parents, especially after bed-time, and after shocking the heck out of myself trying to figure out how to connect a closed-circuit phone jack into the audio output (dynamic speaker, and all that), I prevailed on the electronic tech across the street to do that for me, which he very kindly did. His name was Campbell.

Some few years later, I was given what I remember as a GE console radio on which the cabinet had been badly damaged. This radio was what amounted to a complete communications receiver in a wooden cabinet and designed for use in a home as furniture.

I removed the radio and speaker from the remains of the cabinet, and eventually got it working.

Among other features that I remember about it was that it had both an RF and an AF gain control, a tunable BFO with pitch control, and some means of varying the selectivity, although I don't remember it being a crystal-filter.

I also remember that the chassis was chrome plated, and that there were two audio output tubes sitting side-by-side.

There were at least 8, or possibly 10 controls across the front, and the chassis was unusually wide.

I was either 11 or 12 at the time, so my memory of this thing is very fuzzy.

I have been very curious in the last few years what this thing might have been, but have not been able to find out much about it.

Someone on the National list mentioned a GE model K-85. I looked that one up, but it has way too few controls across the front. Besides, I don't remember the dial as being a round "Airplane" dial.

Might anyone here have a clue as to what this was?

I did learn today that RCA made radios for GE, and that GE, RCA, and Westinghouse were all working together back in the 1930s and '40s.

I also learned that the GE K-85 is the same as an RCA model, the 140 or something like that, so perhaps "my" radio can be traced to an identical RCA

model.

Anyone?

Ken W7EKB

1716. Re: [glowbugradio] Floor-console radio question

Yahoo group: glowbugradio
Date: 2013-07-20 01:19:42 UTC
From: Charlie , W5COV
Topic: 1704 Message: 1716

I can't help on identifying the exact radio , but the only ones having a chrome chassis that I saw as a kid were from the Scott company . I am sure there were indeed more companies that did , but it is the only company that I have personally seen one of with the chrome chassis .

It will be interesting to see what turns up from your inquiry .

Charlie , W5COV

On 7/19/2013 8:12 PM, Kenneth G. Gordon wrote:
>
> I am moving my original query on this subject over here from the National
> list, as I think it belongs here rather than there.
>
> To recap: back when I was a youngster, about 10 or 11 years old, our
> family
> came into the possession of a floor-console radio in a wooden cabinet
> with
> all kinds of shortwave bands on it.
>
> I really liked tuning around with that thing. I fixed up a much longer
> outside
> antenna, and when my listening to it so much began to bother my parents,
> especially after bed-time, and after shocking the heck out of myself
> trying to
> figure out how to connect a closed-circuit phone jack into the audio
> output
> (dynamic speaker, and all that), I prevailed on the electronic tech
> across the
> street to do that for me, which he very kindly did. His name was Campbell.
>
> Some few years later, I was given what I remember as a GE console radio
> on which the cabinet had been badly damaged. This radio was what
> amounted to a complete communications receiver in a wooden cabinet and
> designed for use in a home as furniture.
>
> I removed the radio and speaker from the remains of the cabinet, and
> eventually got it working.
>
> Among other features that I remember about it was that it had both an RF
> and an AF gain control, a tunable BFO with pitch control, and some means
> of varying the selectivity, although I don't remember it being a
> crystal-filter.
>
> I also remember that the chassis was chrome plated, and that there were
> two audio output tubes sitting side-by-side.

>
> There were at least 8, or possibly 10 controls across the front, and the
> chassis was unusually wide.
>
> I was either 11 or 12 at the time, so my memory of this thing is very
> fuzzy.
>
> I have been very curious in the last few years what this thing might have
> been, but have not been able to find out much about it.
>
> Someone on the National list mentioned a GE model K-85. I looked that one
> up, but it has way too few controls across the front. Besides, I don't
> remember the dial as being a round "Airplane" dial.
>
> Might anyone here have a clue as to what this was?
>
> I did learn today that RCA made radios for GE, and that GE, RCA, and
> Westinghouse were all working together back in the 1930s and '40s.
>
> I also learned that the GE K-85 is the same as an RCA model, the 140 or
> something like that, so perhaps "my" radio can be traced to an
> identical RCA
> model.
>
> Anyone?
>
> Ken W7EKB
>
>

1717. Re: [glowbugradio] Floor-console radio question

Yahoo group: glowbugradio
Date: 2013-07-20 01:39:35 UTC
From: Kenneth G. Gordon
Topic: 1704 Message: 1717

On 19 Jul 2013 at 20:19, Charlie , W5COV wrote:

> I can't help on identifying the exact radio , but the only ones having
> a chrome chassis that I saw as a kid were from the Scott company . I
> am sure there were indeed more companies that did , but it is the only
> company that I have personally seen one of with the chrome chassis .

Yes. I have been interested in Scott radios for a long time. I have a couple of their military models. But this one was not a Scott. I remember that it was a GE, since I remember being surprised at the time that GE made such radios.

It MAY have been simply highly-polished steel instead of chrome. I was only 11 or so at the time and didn't know much.

> It will be interesting to see what turns up from your inquiry .

Yes. I agree. I have already learned things about radios of the period that I never knew before.

Ken W7EKB

1718. Specific relay needed.

Yahoo group: glowbugradio
Date: 2013-07-24 19:09:57 UTC
From: Kenneth G. Gordon
Topic: 1718 Message: 1718

I am wondering if any of the denizens of this forum might have one or more of the followng relay in their "junque", which they might part with for a reasonable sum?

Sigma 65FP1A-12DC SPDT Relay 12V Coil

There is a "Simple QSK" circuit which was published in the Hints and Kinks section of a 1977 QST magazine I want to try out.

A report to this list will follow my success or failure with it.

I may try to find a more modern relay which will do the job, but in the meantime, if you have one or more, please let me know.

Thanks,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1719. Crystals...

Yahoo group: glowbugradio
Date: 2013-08-05 01:33:17 UTC
From: Kenneth G. Gordon
Topic: 1719 Message: 1719

I have begun a project to aquire a bunch of crystals for 40 meters (and 20, 15, and 10).

At the moment, I have 92 crystals which I can etch to a frequency in the 40 meter band, besides those other crystals I already have which are already in that band.

FYI, I am using Whink Rust Remover (2% HF) as the etchant. It moves a crystal about 70 Hz per minute. You can buy Whink Rust Remover at most grocery stores in the laundry supplies section.

What is the concensus on how far apart the crystals should be? 1 KHz? Less? More? And why?

Also, I am still on the lookout for batches of FT-243 crystals which are NOT in any ham band, but are "etchable" to some ham band frequencies. These would have to be below various ham bands.

One of my transmitters, the T-784/GRC-109 tunes from 2 through 22 MHz.

I would like to find "etchable" crystals that I could move into the 160 (below 1.8 MHz), 80 (below 3.5 MHz), 30 (below 5 MHz) and 17 (below 9 MHz) meter bands too.

Anyone?

Ken W7EKB

1720. RAL radio for sale - pickup only.

Yahoo group: glowbugradio
Date: 2013-08-21 18:50:02 UTC
From: Kenneth G. Gordon
Topic: 1720 Message: 1720

I have posted the following to one other forum.

Is anyone here, or does anyone here know anyone, who lives near Amherst, Ohio?

A fellow has an RAL receiver with power supply for sale. It looks to me (from the antenna connector) to be an RAL-7, but it may be an RAL-8, or possibly a bit earlier model. The nomenclature plates are all missing, but it looks to be in decent condition.

The fellow is asking $50.00 for the whole thing, but it is pickup only.

Here is the eBay item number: 121162682122

There are two days left on this auction, and he has had it up one time before this.

If I was closer, I would certainly buy it.

In my experience, the RAL is the finest HF TRF receiver I have ever used.

Ken W7EKB

1721. Re: RAL radio for sale - pickup only.

Yahoo group: glowbugradio
Date: 2013-08-23 05:08:09 UTC
From: Paul Beckwith
Topic: 1720 Message: 1721

Your absolutely right, Ken. The RAL-7 is a terrific receiver! I use mine on CW very often.

73's de Paul K2LMQ Kingman, AZ

1722. Re: [glowbugradio] Re: RAL radio for sale - pickup only.

Yahoo group: glowbugradio
Date: 2013-08-23 16:30:05 UTC
From: Kenneth G. Gordon
Topic: 1720 Message: 1722

On 22 Aug 2013 at 22:08, Paul Beckwith wrote:

> Your absolutely right, Ken. The RAL-7 is a terrific receiver! I use
> mine on CW very often.
>
> 73's de Paul K2LMQ Kingman, AZ

As I have said more than once, I used one for something like 12 years as my only station receiver.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1723. RE: [glowbugradio] Re: RAL radio for sale - pickup only.

Yahoo group: glowbugradio
Date: 2013-08-23 16:51:47 UTC
From: Lorne Barber
Topic: 1720 Message: 1723
Attachments: 2 described; binary payloads are missing from this source WARC

Gentleman, I have never operated a RAL-7, matter of fact I have never even seen one in the flesh.

However, I have built and operated two of the Zl2JJ regens, which I was most impressed with. In my opinion these receivers built with mechanical integrity and proper calibration are very impressive performers.

Now for the question. How would this receiver compare to the RAL-7?

I would be surprised if it were not second place, but I am curious as to how far back it would be.

7 3

Lorne

VE7BOX

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: August-23-13 9:30 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Re: RAL radio for sale - pickup only.

On 22 Aug 2013 at 22:08, Paul Beckwith wrote:

> Your absolutely right, Ken. The RAL-7 is a terrific receiver! I use
> mine on CW very often.
>
> 73's de Paul K2LMQ Kingman, AZ

As I have said more than once, I used one for something like 12 years as my only station receiver.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1724. Re: [glowbugradio] Re: RAL radio

Yahoo group: glowbugradio
Date: 2013-08-23 18:42:37 UTC
From: Kenneth G. Gordon
Topic: 1720 Message: 1724

On 23 Aug 2013 at 9:51, Lorne Barber wrote:

> Gentleman, I have never operated a RAL-7, matter of fact I have never
> even seen one in the flesh.

Well, I feel sorry for you! ;-)

> However, I have built and operated two of the ZL2JJ regens, which I
> was most impressed with. In my opinion these receivers built with
> mechanical integrity and proper calibration are very impressive
> performers.

Indeed! I published much of Byam's information on this receiver long ago on my website here:

http://www.w7ekb.com/glowbugs/rx/Regens/ZL2JJ/zl2jj_trf.htm

> Now for the question. How would this receiver compare to the RAL-7?

Quite well, I would think.

However, firstly, the RAL has two RF-amp stages ahead of the detector, while Byam's receiver has one: therefore, RAL's selectivity would be a bit better and any leakage from the detector back to the antenna would be far less.

As with any properly-designed receiver, the two RF-amp stages in the RAL aren't there for "gain": they are there for selectivity, both in and out. Like the two RF-amps in the HRO-50/60, and in the Hammarlund SP-200 series, the second RF-amp stage has a gain of 1, or near that.

Secondly, the separate audio filters in the RAL are features which Byam's receiver lacks, although his dual-stage 630 Hz filter is probably at least as useful in the amateur radio sense.

I have very seldom used the wide-range, multiple-frequency switchable audio filter in my RALs. I have used that filter with my RAK at times. I do, however, always use the wider-band audio "pre-filter"

Thirdly, Byam's receiver appears to have no useful "AVC" (which is actually an output-limiter) as the RAL does.

Fourthly, Byam's receiver uses plug-in coils of standard design, while the RAL uses bandswitched and almost prefectly-shielded, coated, toroid coils wound with Litz wire, which are extremely high "Q".

Fifthly, however, Byam's receiver has much easier-to-use dials which are calibrated. The RAL's dial has 0-10 and 0-100 scales and the frequency

must be read off a chart. Once you get used to the receiver, however, this is no longer a handicap.

Sixthly, the RAL uses single-knob tuning, while Byam's receiver uses two.

Byam's method of stabilizing the detector is very good, but the RAL uses a different method. Both are probably equally effective. The RAL (and its VLF companion, the RAK) are unusually stable. They just plain don't drift at all.

> I would be surprised if it were not second place, but I am curious as
> to how far back it would be.

In my opinion, not very far back at all, although I have not yet built nor used his receiver.

However, keep in mind that the two receivers were designed by different people for different purposes.

There was no limit on cost for the RAL. Its components are all of the highest quality costing far more than the average amateur could ever afford. The RAL has all ceramic sockets, switches, and insulators, and all of what would normally be paper-capacitors are metal oil-filled types instead.

Since you are using possibly the finest amateur-designed TRF receiver presently available, I suggest you get an RAL, restore it to its original specifications (which won't take much work, BTW) and compare them yourself.

In fact, I would urge you to write a report on your experiences with Byam's receiver and have Ray Osterwald publish that in an upcoming issue of Electric Radio Magazine. I am sure it would be very well received. I know I sure would like to read it.

I intend to write an article on the RAL (and RAK) and have Ray publish that in an upcoming issue.

The two articles would complement one another.

Ken W7EKB

1725. RE: [glowbugradio] Re: RAL radio

Yahoo group: glowbugradio
Date: 2013-08-26 00:56:46 UTC
From: Lorne Barber
Topic: 1720 Message: 1725

Ken:-

Thank you for the great report on the RAL-7 receivers. You reply prodded me into doing a little more research via Google, consequently I know a little more about these great radios..

As for me owning a RAL, I think that is a dream. The unit cost is not the big problem, however the shipping expense is something to be feared.

Most I have seen for sale seem to be always on the East coast and shipping costs easily are twice the cost of the receiver itself.

I think I will be satisfied putting the finishing touches on my ZL2JJ TRF and perhaps I might get a picture or two out soon.

I am basically faced with the job of calibrating the dials, labelling the controls and building a wooden cabinet for it.

Thanks once again.

7 3

Lorne

Ve7box

Recent Activity:

.
<http://groups.yahoo.com/group/glowbugradio/members;_ylc=X3oDMTJnbG5xa25tBF9TAzk3MzU5NzE0BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMzc3MjgzMTEz?o=6> New Members 1

<http://groups.yahoo.com/group/glowbugradio;_ylc=X3oDMTJmbjU2amFrBF9TAzk3MzU5NzE0BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEzNzcyODMxMTM-> Visit Your Group

<http://groups.yahoo.com/;_ylc=X3oDMTJlbzZrdWw4BF9TAzk3MzU5NzE0BGdycElkAzIyNDM4MjgwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM3NzI4MzExMw--> Yahoo! Groups

Switch to:
<mailto:glowbugradio-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only,
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.

<http://geo.yahoo.com/serv?s=97359714/grpId=22438280/grpspId=1705063108/msgId=1724/stime=1377283113>

1726. New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2013-08-27 05:05:35 UTC
From: glowbugradio@yahoogroups.com
Topic: 150 Message: 1726

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /RAK-7 info.docx
Uploaded by : edcartwright@... <n6mmwmail@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/RAK-7%20info.docx

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

edcartwright@... <n6mmwmail@...>

1727. Re: [glowbugradio] Re: RAL radio

Yahoo group: glowbugradio
Date: 2013-08-27 05:13:21 UTC
From: Ed Cartwright
Topic: 1720 Message: 1727

Gentlemen
I have been following this thread with interest.

I have the a RAK-7, the VLF companion to the RAL-7.
I uploaded 4 photos to the PHOTO folder and one file to the FILE photo.

I acquired it a few years ago - never got around to firing it up.
You guys got me reved up again.

73 Ed N6MMW

1957 KN6ACC
1958 K6LHT

1728. Re: [glowbugradio] Re: RAL radio

Yahoo group: glowbugradio
Date: 2013-08-27 06:02:53 UTC
From: kgordon2006@...
Topic: 1720 Message: 1728

On 26 Aug 2013 at 22:13, Ed Cartwright wrote:

> I have the a RAK-7, the VLF companion to the RAL-7.
> I uploaded 4 photos to the PHOTO folder and one file to the FILE photo.
>
> I acquired it a few years ago - never got around to firing it up.
> You guys got me reved up again.

Well, Ed, the RAK is so selective that "the other side of zero beat" simply isn't there.

The coils are all honey-comb toroids wound with Litz wire, coated in beeswax, then sealed inside solid metal cans which can be unscrewed from their bases. The cans have two holes in the top which were meant to accomodate a special wrench, which is easy to make from a stick and a couple of nails.

The coils are very high "Q".

The RAK is also unusually stable.

It would make one heck of a "Q-5er", except that it weighs around 80 lubs.

I use mine to listen for NDBs now, but used to use it to copy CW from the Navy VLF stations. Even the Navy VLF station in North West Cape Australia was copyable almost every night and much of the day into Missoula, Montana with an RAK with an end-fed wire antenna.

Power supply requirements are very light: 180 VDC, 90 VDC regulated at 1 mA for the detector, and 6.0 VAC for filaments.

The only capacitors that can go bad are the interstage coupling caps which are micas. All the bypass caps are oil-filled types that never go bad.

If you hear "crackling", that is an interstage mica.

However, I have never found a bad one in my RALs or RAKs yet.

If you don't have enough 6D6s, use 6K7s or 6SK7s and an adapter. If you don't have 41s, us a 6K6 and an adapter.

The RAL/RAK has 4 6D6s and 2 41s.

Ken W7EKB

1729. Re: [glowbugradio] Re: RAL radio

Yahoo group: glowbugradio
Date: 2013-08-27 13:44:12 UTC
From: Carl
Topic: 1720 Message: 1729

On 26 Aug 2013 at 22:13, Ed Cartwright wrote:

> I have the a RAK-7, the VLF companion to the RAL-7.
> I uploaded 4 photos to the PHOTO folder and one file to the FILE photo.
>
> I acquired it a few years ago - never got around to firing it up.
> You guys got me reved up again.

Well, Ed, the RAK is so selective that "the other side of zero beat" simply isn't there.

The coils are all honey-comb toroids wound with Litz wire, coated in beeswax, then sealed inside solid metal cans which can be unscrewed from their bases. The cans have two holes in the top which were meant to accomodate a special wrench, which is easy to make from a stick and a couple of nails.

The coils are very high "Q".

The RAK is also unusually stable.

It would make one heck of a "Q-5er", except that it weighs around 80 lubs.

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Power supply requirements are very light: 180 VDC, 90 VDC regulated at 1 mA for the detector, and 6.0 VAC for filaments.

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If you hear "crackling", that is an interstage mica.

However, I have never found a bad one in my RALs or RAKs yet.

If you don't have enough 6D6s, use 6K7s or 6SK7s and an adapter. If you don't have 41s, us a 6K6 and an adapter.

The RAL/RAK has 4 6D6s and 2 41s.

Ken W7EKB

** There is no reason to change sockets or make adaptors Ken as neither tube is even remotely scarce. Also the 78 is the early 6D6 before RMA came along; and the 41 can be replaced with a 42; Im sure the PS can handle the extra filament drain.

I use my RAK-7 to copy a lot of the 600M experimenters plus a few down at 136 KHz. While the HRO-500 with LF-10 is arguably better the lack of a noise blanker or even a simple peak limiter often makes it hard to use but it has an excellent notch filter and passband tuning that usually compensates when the static crashes are more tolerable.

On a side note Im still waiting for someone to come up with a mod to open up the Kenwood TS-940 and 950 to transmit below 500KHz at the milliwatt transverter output level.

Carl
KM1H
Date: 08/27/13

1730. Re: [glowbugradio] Re: RAL radio

Yahoo group: glowbugradio
Date: 2013-08-27 15:02:55 UTC
From: kgordon2006@...
Topic: 1720 Message: 1730

On 27 Aug 2013 at 9:44, Carl wrote:

> ** There is no reason to change sockets or make adaptors Ken as neither tube
> is even remotely scarce. Also the 78 is the early 6D6 before RMA came along;
> and the 41 can be replaced with a 42; Im sure the PS can handle the extra
> filament drain.

Yes. NOS 6D6s are easy to find and are cheap. So are 41s for that matter. Even AES has them for reasonable cost.

> On a side note Im still waiting for someone to come up with a mod to open up
> the Kenwood TS-940 and 950 to transmit below 500KHz at the milliwatt
> transverter output level.

I have taken a very cursory look at the TS-940 schematic and block diagram. It doesn't look easy to do. Maybe this winter I'll have time to look at it more closely.

Ken W7EKB

1731. Re: [glowbugradio] Re: RAL radio

Yahoo group: glowbugradio
Date: 2013-08-27 16:06:21 UTC
From: Carl
Topic: 1720 Message: 1731

On 27 Aug 2013 at 9:44, Carl wrote:

> ** There is no reason to change sockets or make adaptors Ken as neither tube
> is even remotely scarce. Also the 78 is the early 6D6 before RMA came
> along;
> and the 41 can be replaced with a 42; Im sure the PS can handle the extra
> filament drain.

Yes. NOS 6D6s are easy to find and are cheap. So are 41s for that matter. Even AES has them for reasonable cost.

> On a side note Im still waiting for someone to come up with a mod to open
> up
> the Kenwood TS-940 and 950 to transmit below 500KHz at the milliwatt
> transverter output level.

I have taken a very cursory look at the TS-940 schematic and block diagram. It doesn't look easy to do. Maybe this winter I'll have time to look at
it more closely.

Ken W7EKB

Im betting it is as easy as snipping one end of a diode and just like opening up full TX from 1.5 to 30MHz.
All the diagrams and path descriptions are in the Service Manuals but they make my eyes cross and head ache after 5 minutes (-;

Someone mentioned they had done it years ago on 600M but then clammed up. Perhaps if you asked you may get a lead or can trace back in the archives.

Carl

Date: 08/27/13

1732. A tri-band beam...

Yahoo group: glowbugradio
Date: 2013-08-28 03:13:34 UTC
From: Kenneth G. Gordon
Topic: 1732 Message: 1732

I have had a tri-band three-element Yagi here for some time.

For a while, I thought it was a TA-33, but apparently it is some sort of Aisian rip-off of a TA-33. It looks almost identical to one, but when I contacted the makers of the old TA-33 some time ago, and sent them photos and dimensions, they told me it wasn't theirs.

All the plastic parts are a hard, dark-blue plastic, and all the aluminum parts are quite sturdy. The boom is two pieces of steel, and the center "bracket", and the element mounts on the ends, are each a piece of very sturdy and thick cast-aluminum

So, I would like to try to get this thing working.

I took it completely apart some time ago, and replaced the larger tubes that covered the coils, crimping them back in place with a special tool I had made after thoroughly cleaning every possible part that needed cleaning.

I assembled it and then mounted it on a relatively short tower on top of our home, connected a W2AU balun to it, and then RG-8 from the balun to the shack...and never could get it to work properly. For one thing, the SWR would change rather drastically as I rotated it. I thought that was probably because it was too close to the house and its wiring, but now I'm not so sure.

As I rememer it, I also checked the resonances of all three elements with a grid-dip meter, and everything seemed to be correct.

But it never worked.

I suppose it would have helped if I had had it up at 66 or 100 feet, but even where it was, it should have been at least a little bit better than my vertical...but it wasn't. It was worse.

In fact, it acted as though the antenna wasn't connected to the coax, but I checked the balun thoroughly and it seemed correct to me.

Anyone have any ideas about this thing? Might anyone remember a TA-33 clone with blue-plastic insulators?

Is it just scrap aluminum?

Or is the W2AU balun a POS?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1733. Re: [glowbugradio] A tri-band beam...

Yahoo group: glowbugradio
Date: 2013-08-28 04:45:16 UTC
From: Steve
Topic: 1732 Message: 1733

Hi Ken - I recall that there were several Japanese clones of the TA-33 back in the late 60's / early 70's and one that sold quite well up here in Canada I believe was one made by Asahi. The only picture I can seemingly find on the web is one from the CT3EE contest station several years ago which they describe as a '3 el Asahi Tribander':

http://www.qsl.net/ct3ee/Ant%2020.JPG

If you set it up following the dimensions of the TA-33 then it's not surprising that performance was poor unless their coil sets were absolutely identical to Mosley. If the trap (coils) were at all different then it would quickly throw all hope of efficency out the window by following their dimensions.

I think the only way to get this working (assuming it is not the balun which can easily be removed to check antenna performance) would be to carefully tune the driven element, first to 10m (grid dipping at the feedpoint) and then setting the 20m length by grid dipping again. I am assuming that the extra length required for 15m resonance is provided by the metal trap casing itself, so that plus the proper 10m length would be established in the first step, just leaving the distance from the trap ends to the end of the element to establish 20m resonance. You would then have to dig out the Yagi textbooks and see what the ideal reflector lengths (frequency) should be, based on a % of the driven element's frequency and then do the same for the director, this time dereasing by the proper %, based on the driven elements frequency. I think it could be done, and would be an interesting exercise, but it will be a bit of a job!

Steve / 73

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

1734. Re: [glowbugradio] A tri-band beam...

Yahoo group: glowbugradio
Date: 2013-08-28 15:20:21 UTC
From: Carl
Topic: 1732 Message: 1734

Take a few photos and post in the Antenna forum on QRZ.com; 10:1 you get an answer and maybe dimensions.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Tuesday, August 27, 2013 11:13 PM
Subject: [glowbugradio] A tri-band beam...

I have had a tri-band three-element Yagi here for some time.

For a while, I thought it was a TA-33, but apparently it is some sort of Aisian rip-off of a TA-33. It looks almost identical to one, but when I contacted the makers of the old TA-33 some time ago, and sent them photos and dimensions, they told me it wasn't theirs.

All the plastic parts are a hard, dark-blue plastic, and all the aluminum parts are quite sturdy. The boom is two pieces of steel, and the center "bracket", and the element mounts on the ends, are each a piece of very sturdy and thick cast-aluminum

So, I would like to try to get this thing working.

I took it completely apart some time ago, and replaced the larger tubes that covered the coils, crimping them back in place with a special tool I had made after thoroughly cleaning every possible part that needed cleaning.

I assembled it and then mounted it on a relatively short tower on top of our home, connected a W2AU balun to it, and then RG-8 from the balun to the shack...and never could get it to work properly. For one thing, the SWR would change rather drastically as I rotated it. I thought that was probably because it was too close to the house and its wiring, but now I'm not so sure.

As I rememer it, I also checked the resonances of all three elements with a grid-dip meter, and everything seemed to be correct.

But it never worked.

I suppose it would have helped if I had had it up at 66 or 100 feet, but even where it was, it should have been at least a little bit better than my vertical...but it wasn't. It was worse.

In fact, it acted as though the antenna wasn't connected to the coax, but I checked the balun thoroughly and it seemed correct to me.

Anyone have any ideas about this thing? Might anyone remember a TA-33
clone with blue-plastic insulators?

Is it just scrap aluminum?

Or is the W2AU balun a POS?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

---

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3211/6114 - Release Date: 08/27/13

1735. Picture and Dial

Yahoo group: glowbugradio
Date: 2013-08-28 15:31:47 UTC
From: Stanley Adams
Topic: 1735 Message: 1735

I have one of the NC 100 XA type of radios-with meter crystal and the like. I need a center dial that mounts on the tuning shaft. And out of curiosity has anyone a photograph of how the tuning shaft and dial should look like? Behind the dial is the hole for the dial cord does it need a washer past the center dial??

Inquiring minds want to know

Thanks

Stanley Adams

RF and Telecommunications Engineering

Amateur Call W4SBA

901-373-7785 home

901-240-3139 cell

stanleybadams@yahoo,com

1736. Re: [glowbugradio] A tri-band beam...

Yahoo group: glowbugradio
Date: 2013-08-28 16:02:28 UTC
From: Kenneth G. Gordon
Topic: 1732 Message: 1736

On 28 Aug 2013 at 11:20, Carl wrote:

> Take a few photos and post in the Antenna forum on QRZ.com; 10:1 you
> get an answer and maybe dimensions.
>
> Carl
> KM1H

OK. I'll do that. Thanks.

Ken

1737. RE: [glowbugradio] A tri-band beam...

Yahoo group: glowbugradio
Date: 2013-08-28 17:15:59 UTC
From: D C _Mac_ Macdonald
Topic: 1732 Message: 1737

I suspect that you may have a TET (Taneguchi Engineering Traders) antenna.
At one time, "Mac" Taneguchi had a manufacturing facility in Norman, OK and
sold a good number of different antennas. He went SK several years ago and
I don't know of any source for info.

I knew Mac and his US representative Bill Brodie, K3TGY, also apparently SK
and provided a small part of the original US investment in the TET line.

Google may provide some info.

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Wed, 28 Aug 2013 11:20:21 -0400
Subject: Re: [glowbugradio] A tri-band beam...

Take a few photos and post in the Antenna forum on QRZ.com; 10:1 you get an answer and
maybe dimensions.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Tuesday, August 27, 2013 11:13 PM
Subject: [glowbugradio] A tri-band beam...

I have had a tri-band three-element Yagi here for some time.

For a while, I thought it was a TA-33, but apparently it is some sort of Aisian
rip-off of a TA-33. It looks almost identical to one, but when I contacted the
makers of the old TA-33 some time ago, and sent them photos and
dimensions, they told me it wasn't theirs.

All the plastic parts are a hard, dark-blue plastic, and all the aluminum parts
are quite sturdy. The boom is two pieces of steel, and the center "bracket",
and the element mounts on the ends, are each a piece of very sturdy and
thick cast-aluminum

So, I would like to try to get this thing working.

I took it completely apart some time ago, and replaced the larger tubes that
covered the coils, crimping them back in place with a special tool I had made
after thoroughly cleaning every possible part that needed cleaning.

I assembled it and then mounted it on a relatively short tower on top of our
home, connected a W2AU balun to it, and then RG-8 from the balun to the
shack...and never could get it to work properly. For one thing, the SWR

would change rather drastically as I rotated it. I thought that was probably because it was too close to the house and its wiring, but now I'm not so sure.

As I rememer it, I also checked the resonances of all three elements with a grid-dip meter, and everything seemed to be correct.

But it never worked.

I suppose it would have helped if I had had it up at 66 or 100 feet, but even where it was, it should have been at least a little bit better than my vertical...but it wasn't. It was worse.

In fact, it acted as though the antenna wasn't connected to the coax, but I checked the balun thoroughly and it seemed correct to me.

Anyone have any ideas about this thing? Might anyone remember a TA-33 clone with blue-plastic insulators?

Is it just scrap aluminum?

Or is the W2AU balun a POS?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3211/6114 - Release Date: 08/27/13

1738. Re: [glowbugradio] Picture and Dial

Yahoo group: glowbugradio
Date: 2013-08-28 17:38:48 UTC
From: Paul Daulton
Topic: 1735 Message: 1738
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1739. Re: [glowbugradio] A tri-band beam...

Yahoo group: glowbugradio
Date: 2013-08-28 18:20:43 UTC
From: Kenneth G. Gordon
Topic: 1732 Message: 1739

On 28 Aug 2013 at 12:15, D C _Mac_ Macdonald wrote:

> I suspect that you may have a TET (Taneguchi Engineering Traders)
> antenna. At one time, "Mac" Taneguchi had a manufacturing facility in
> Norman, OK and sold a good number of different antennas. He went SK
> several years ago and I don't know of any source for info.
>
> I knew Mac and his US representative Bill Brodie, K3TGY, also
> apparently SK and provided a small part of the original US investment
> in the TET line.
>
> Google may provide some info.

Thanks, Mac.

Ken W7EKB

1740. Re: [glowbugradio] A tri-band beam...and other info.

Yahoo group: glowbugradio
Date: 2013-08-28 19:52:05 UTC
From: Kenneth G. Gordon
Topic: 1732 Message: 1740

On 28 Aug 2013 at 12:15, D C _Mac_ Macdonald wrote:

> I suspect that you may have a TET (Taneguchi Engineering Traders)
> antenna. At one time, "Mac" Taneguchi had a manufacturing facility in
> Norman, OK and sold a good number of different antennas. He went SK
> several years ago and I don't know of any source for info.
>
> I knew Mac and his US representative Bill Brodie, K3TGY, also
> apparently SK and provided a small part of the original US investment
> in the TET line.

Well, it turns out that TET is still going, having been, apparently, bought by an outfit in Australia. It is now known as TET-Emtron.

My beam MAY be a TET TE-33.

I am doing more checking and will report here.

I still need to know if the W2AU balun (an old one) would have problems in this situation.

I have two, both of which were unused when I got them. At this point, from what I have "heard" various places, the W2AU balun isn't all that snazzy.

Anyone know anything more about it?

Ken W7EKB

1741. Re: [glowbugradio] A tri-band beam...and other info.

Yahoo group: glowbugradio
Date: 2013-08-28 20:26:03 UTC
From: Carl
Topic: 1732 Message: 1741

The W2AU balun is a POS and the voltage style. You need a current balun which is coax over a suitable toroid or using beads, it was aka the W2DU balun.

For 10-20M a dozen 43 mix beads that fit over RG-213 type coax does well and Mouser carries them. I can look up the part # later if you dont want to dig thru their web site.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, August 28, 2013 3:52 PM
Subject: Re: [glowbugradio] A tri-band beam...and other info.

On 28 Aug 2013 at 12:15, D C _Mac_ Macdonald wrote:

> I suspect that you may have a TET (Taneguchi Engineering Traders)
> antenna. At one time, "Mac" Taneguchi had a manufacturing facility in
> Norman, OK and sold a good number of different antennas. He went SK
> several years ago and I don't know of any source for info.
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> I knew Mac and his US representative Bill Brodie, K3TGY, also
> apparently SK and provided a small part of the original US investment
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I have two, both of which were unused when I got them. At this point, from what I have "heard" various places, the W2AU balun isn't all that snazzy.

Anyone know anything more about it?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1432 / Virus Database: 3211/6115 - Release Date: 08/28/13

1742. RE: [glowbugradio] A tri-band beam...and other info.

Yahoo group: glowbugradio
Date: 2013-08-28 22:34:44 UTC
From: D C _Mac_ Macdonald
Topic: 1732 Message: 1742

Here are some TET sites I found through Google:

http://www.tetemtron.com.au/

http://www.tetemtron.com.au/v/vspfiles/assets/images/hb33m.pdf

http://www.merseyworld.com/wadarc/Technical_Topics/Tet_Antennas.pdf

Manuals for some of the "old" models are available on the first site.

* * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@hotmail.com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Wed, 28 Aug 2013 16:26:03 -0400
Subject: Re: [glowbugradio] A tri-band beam...and other info.

The W2AU balun is a POS and the voltage style. You need a current balun
which is coax over a suitable toroid or using beads, it was aka the W2DU
balun.

For 10-20M a dozen 43 mix beads that fit over RG-213 type coax does well
and Mouser carries them. I can look up the part # later if you dont want to
dig thru their web site.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Wednesday, August 28, 2013 3:52 PM
Subject: Re: [glowbugradio] A tri-band beam...and other info.

On 28 Aug 2013 at 12:15, D C _Mac_ Macdonald wrote:

> I suspect that you may have a TET (Taneguchi Engineering Traders)
> antenna. At one time, "Mac" Taneguchi had a manufacturing facility in
> Norman, OK and sold a good number of different antennas. He went SK
> several years ago and I don't know of any source for info.
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> I knew Mac and his US representative Bill Brodie, K3TGY, also

> apparently SK and provided a small part of the original US investment
> in the TET line.

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an outfit in Australia. It is now known as TET-Emtron.

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Anyone know anything more about it?

Ken W7EKB

1743. Re: [glowbugradio] A tri-band beam...and other info.

Yahoo group: glowbugradio
Date: 2013-08-28 23:28:33 UTC
From: Kenneth G. Gordon
Topic: 1732 Message: 1743

On 28 Aug 2013 at 16:26, Carl wrote:

> The W2AU balun is a POS and the voltage style.

Oh. OK.

> You need a current
> balun which is coax over a suitable toroid or using beads, it was aka
> the W2DU balun.

OK. Back when I was doing phone patching into Vietnam, I used a very tight coil of about 6 to 8 turns of RG-8 coax right at the connection point of my TH-3, but I always assumed that was just an RF choke to keep RF off the outside of the coax line.

> For 10-20M a dozen 43 mix beads that fit over RG-213 type coax does
> well and Mouser carries them. I can look up the part # later if you
> dont want to dig thru their web site.

'ats OK. I'll find it. Thanks.

Ken W7EKB

1744. Re: [glowbugradio] New file uploaded to glowbugradio

Yahoo group: glowbugradio
Date: 2013-08-31 12:34:43 UTC
From: astro boy
Topic: 150 Message: 1744

Thank you for posting the information.....

Im very interested in these radios ......

Regards.....

_____
From: "glowbugradio@yahoogroups.com" <glowbugradio@yahoogroups.com>
To: glowbugradio@yahoogroups.com
Sent: Tuesday, 27 August 2013 3:05 PM
Subject: [glowbugradio] New file uploaded to glowbugradio

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the glowbugradio
group.

File : /RAK-7 info.docx
Uploaded by : edcartwright@... <n6mmwmail@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/glowbugradio/files/RAK-7%20info.docx

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

edcartwright@... <n6mmwmail@...>

1745. Tube shield needed....

Yahoo group: glowbugradio
Date: 2013-08-31 17:59:07 UTC
From: Kenneth G. Gordon
Topic: 1745 Message: 1745

Might anyone have one of those old, solid, all metal, locking tube shields with the spring in
the top that would fit a 12BY7 in their stash they might part with?

Reasonable remuneration forthcoming.

I am attempting to "restore" an FT-101 for an old ham.

Ken W7EKB

1746. Re: [glowbugradio] Tube shield needed....

Yahoo group: glowbugradio
Date: 2013-09-01 00:39:56 UTC
From: Carl
Topic: 1745 Message: 1746

You found one yet?

If not I'll be in the upper dungeon tomorrow and will clear a path to where I "know" the shield box is.

Im sealing all the leaks in the mid 1800's fieldstone foundation and then laying down a plastic vapor barrier followed by foil faced rolled insulation.

A major PITA to move things out of the way; Im about 20% done and have been at it for a month when Im in the mood (-;

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Saturday, August 31, 2013 1:59 PM
Subject: [glowbugradio] Tube shield needed....

Might anyone have one of those old, solid, all metal, locking tube shields with the spring in
the top that would fit a 12BY7 in their stash they might part with?

Reasonable remuneration forthcoming.

I am attempting to "restore" an FT-101 for an old ham.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3222/6126 - Release Date: 08/31/13

1747. Re: [glowbugradio] Tube shield needed....

Yahoo group: glowbugradio
Date: 2013-09-01 03:16:53 UTC
From: Kenneth G. Gordon
Topic: 1745 Message: 1747

On 31 Aug 2013 at 20:39, Carl wrote:

> You found one yet?

Yeah. Got a whole box full of the things off evilbay.

> If not I'll be in the upper dungeon tomorrow and will clear a path to
> where I "know" the shield box is.

Nah. Don't worry about it.

What I am doing is "restoring" an FT-101 for an old fart I know. He is actually older than I am, surprisingly.

So far, it looks like the only real problem this rig has is that someone got to it with their magic-screwdriver. Alignment was so far out that I had trouble at first figuring out just which way it was out.

Also, my damned HP-8640B counter died...again....I'm getting pissed at it.

> Im sealing all the leaks in the mid 1800's fieldstone foundation and
> then laying down a plastic vapor barrier followed by foil faced rolled
> insulation.
>
> A major PITA to move things out of the way; Im about 20% done and have
> been at it for a month when Im in the mood (-;

Glad you reminded me: I have to fill the cracks in our foundation with that yellow expanding joint-sealer/insulation crap before winter hits so I can keep the river from flowing through my shack twice a year.

I also heard from Dave at TET-Emtron. My beam is NOT a TET, unless it is a very early one.

He wants photos, so I am taking it down off the roof where I have had it stored for the past 10 years, assembling it, and photographing it.

Crapola. Too many projects...

Ken

1748. Re: [glowbugradio] Tube shield needed....

Yahoo group: glowbugradio
Date: 2013-09-01 16:55:13 UTC
From: Carl
Topic: 1745 Message: 1748

On 31 Aug 2013 at 20:39, Carl wrote:

> You found one yet?

Yeah. Got a whole box full of the things off evilbay.

> If not I'll be in the upper dungeon tomorrow and will clear a path to
> where I "know" the shield box is.

Nah. Don't worry about it.

What I am doing is "restoring" an FT-101 for an old fart I know. He is actually
older than I am, surprisingly.

So far, it looks like the only real problem this rig has is that someone got to it
with their magic-screwdriver. Alignment was so far out that I had trouble at first figuring out just which way it was out.

** I try and stay away from those rigs. By the time somone wants me to work on it I know the guy wont want to pay even close to the time I'll have into it. So I just say no and Im always backlogged with other stuff anyway.

Also, my damned HP-8640B counter died...again....I'm getting pissed at it.

** Thats why Ive parked both of mine unless I really need it. Im much happier with a pair of 606A's that do everything I need for boatanchors and even rice boxes up to 6M. Added counter outputs while I refurbed then and 100% reliable in the years since.

> Im sealing all the leaks in the mid 1800's fieldstone foundation and
> then laying down a plastic vapor barrier followed by foil faced rolled
> insulation.
>
> A major PITA to move things out of the way; Im about 20% done and have
> been at it for a month when Im in the mood (-;

Glad you reminded me: I have to fill the cracks in our foundation with that yellow expanding joint-sealer/insulation crap before winter hits so I can keep
the river from flowing through my shack twice a year.

** Thats the stuff Im using. With all the rain this year it opened up leaks and then cold air funnels I didnt have before, Ive swept up an almost full 5 gal bucket of dirt, pebbles and ancient mortar. That built up in the 23 years Ive had storage racks against the walls.

I also heard from Dave at TET-Emtron. My beam is NOT a TET, unless it is a very early one.

He wants photos, so I am taking it down off the roof where I have had it stored for the past 10 years, assembling it, and photographing it.

** Put it on QRZ.com also and it doesnt even have to be assembled, just laid out on the ground and all pertinent parts photographed. There are several guys on that antenna forum that know this kind of obsolete stuff real well.

Crapola. Too many projects...

Ken

** It never ends but at least for me it keeps me active and "young". Today it is more lawn mowing, tree branch cutting, loading onto the old plow truck, and unloading out back on the burn pile. I'll play firebug tomorrow if the weather cooperates.

After that its back into the main dungeon with real concrete walls already insulated and the joists and sills foamed and packed with 4" of hard foil faced foam. And continue on another NCL-2000 rebuild for a customer. Finished a Collins 30L1 yesterday AM and it was gone by noon with the happy owner. I love it when I dont have to repack it all and haul onto the porch for the UPS driver.

Carl
KM1H

Release Date: 09/01/13

1749. Antenna question

Yahoo group: glowbugradio
Date: 2013-09-01 19:00:37 UTC
From: Carl
Topic: 1749 Message: 1749

This may sound a bit strange but here goes.

I want to install a vertical pair of 40M groundplanes off the side of a 180' Rohn 45G tower and phase them to provide low angle or higher angle gain using coax lines and relays.

The tower guys are all non resonant and broken up with large compression insulators. There are no ham antennas presently on the tower as Im in maintenance mode, replacing rusted guy segments, removing unused commercial VHF/UHF verticals, feedlines, etc.

Each vertical will have at least 4 drooping #14 stranded wire radials. The radiator will be #10 stranded with the base about 8' away from the tower and maybe 16' at the top.

Can someone please model this as well as compute proper phasing line lengths to be added for high angle? And offer any suggestions?

Carl
KM1H

1750. Manual question

Yahoo group: glowbugradio
Date: 2013-09-03 20:47:28 UTC
From: Holzer, Jack, EMC
Topic: 1750 Message: 1750

I am restoring a AN/WRR-3A receiver. The manual covering it is NAVSHIPS 0967-035-1010. I have downloaded a copy of it but it lacks section seven, the repair parts list. Does anyone know how I can get this last section of this manual? Thanks for any help.

Jack Holzer, WØYZS
Communications Services Manager
Johnson County EMC
11880 S. Sunset Drive
Olathe, KS, 66061
(913) 826-1040
jholzer@...

1751. Yaesu FT-101 part needed

Yahoo group: glowbugradio
Date: 2013-09-04 03:32:52 UTC
From: Kenneth G. Gordon
Topic: 1751 Message: 1751

Might anyone have the little spinner handle that screws into the main tuning knob that they would part with for a reasonable sum?

The one I am working on has that part missing.

Ken W7EKB

1752. My Mystery Beam.

Yahoo group: glowbugradio
Date: 2013-09-10 05:35:35 UTC
From: Kenneth G. Gordon
Topic: 1752 Message: 1752

OK. I have some photos, but the beam is not assembled. I can give you some measurements too.

I'll upload the photos to my website as soon as I can, and will then post the URL here if anyone wants to take a look.

I was wrong about the color of the plastic bits: they are not dark-blue: they look a sort of cream color, and there aren't many of them.

The center part of each element is a piece of thick-walled aluminum tubing that is 12 feet long, then there is another piece of aluminum tubing nested inside that one and which is about 3 feet long, then the coils. There are two coils inside each coil-can.

For the driven element and for the reflector, the coil-cans are 18" long, while for the director, they are 15" long.

Coil cans are 1 1/2" in diameter aluminum tubing. I replaced all of these at least 10 years ago.

There is then a piece of aluminum tubing sticking out of the end of each coil can that is 12" long. Then a piece of 3/4" diameter thick-wall tubing is stuck in the end of each of those coil bits. Those are 4 feet long.

There are slots near the ends of each piece of aluminum tubing which sticks out of the coil-cans which are obviously used to adjust the lengths on each side of each coil-can.

The lengths of the various bits are as follows:

Boom: 14 feet (in two pieces) and it is steel.

Reflector: 27' 7" (as presently adjusted)

Driven element (two pieces, one of which is clamped electrically to the boom, while the other is insulated): total (both pieces) 26' 10" long as presently adjusted. 13 ' 5" each

Director: 25' 7" as presently adjusted.

The reflector is closer to the driven element than the director.

The beam needs to be cleaned up, but it is all complete and the coils WERE all OK when I last had it apart. I doubt if they have been damaged since I never was able to put more than 50 watts of power to it while testing it.

After dismantling it and thoroughly cleaning all the bits, I think I am going to mount it at the top of a ten foot step-ladder, starting with only the driven element, beginning on 10 meters, using my GDO to start with and see where

the thing resonates.

I REALLY wish I could find out who made this thing and how to properly set it up. I am sure the element lengths and coil spacings are totally off.

Ken W7EKB

1753. Re: [glowbugradio] My Mystery Beam a bit more

Yahoo group: glowbugradio
Date: 2013-09-10 05:41:40 UTC
From: Kenneth G. Gordon
Topic: 1752 Message: 1753

I forgot to mention: the distance from the driven-element to the director is 86", while the distance from the driven-element to the reflector is 84"

Ken W7EKB

1754. MF operations and 600 meters

Yahoo group: glowbugradio
Date: 2013-09-10 16:52:34 UTC
From: Kenneth G. Gordon
Topic: 1754 Message: 1754

If anyone here is interested in joining a forum I have supported for at least the past 10 years on 600 meter operations, you can find the information on joining that forum here:

http://www.500kc.com/Maillists.htm

and can read a bit about it here:

http://w7ekb.com/mailman/listinfo/600mrg_w7ekb.com

The traffic on the forum is regular but certainly not excessive, as some are. We normally get no more than a couple of posts every day, but we always get at least one every day.

600MRG stands for "600 Meter Research Group" which I began at least 13 years ago after considerable discussion on the OLD Glowbugs forum.

I'll post this information to a couple of other forums of which I am a subscriber and on which some interest in this subject has been shown.

BTW, we have found that the BC-453 and R-23/ARC-5 receivers are really superb for monitoring or searching the 600 meter band.

Also, you can put your VLF receivers to work here. I use my RBL, RAK, and R-389 for this work, in addition to my BC-453.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1755. My Mystery Beam

Yahoo group: glowbugradio
Date: 2013-09-10 17:45:19 UTC
From: Kenneth G. Gordon
Topic: 1755 Message: 1755

I have uploaded all the photos and a description here:

http://www.w7ekb.com

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1756. My Mystery Tri-band Beam - found?

Yahoo group: glowbugradio
Date: 2013-09-11 20:57:57 UTC
From: Kenneth G. Gordon
Topic: 1756 Message: 1756

Looks like it is a heavier-duty Hornet, possibly an HT-500, or an early Swan TB-3, TB-3A or TB-3HA.

The clue being the two different lengths of traps: 15" for the director, and 18" for the driven and reflector, no "rug beaters" on the ends, and the 14' boom.

Later Swan's had equal sized traps.

Apparently, it has about 7 db gain on all three bands.

7db gain is a whole lot better than 0db or even -2db gain which my vertical has.

Now to find a manual. Anyone?

Boy, would I ever love to get this thing 60 feet in the air! But I'll be lucky to get it 40 feet up....which is better than nothing...

I have what looks like a Ham-M rotator here with control box to twist it with.

Ken Gordon W7EKB

1757. RE: [glowbugradio] My Mystery Tri-band Beam - found?

Yahoo group: glowbugradio
Date: 2013-09-11 21:32:06 UTC
From: Eugene Rastberger
Topic: 1756 Message: 1757

Ken:

Vintage Manuals lists a Swan TB-3HA. (Google is your friend).

Gene, WØQFC

-----Original Message-----
From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Wednesday, September 11, 2013 4:58 PM
To: Glowbugradio@yahoogroups.com
Subject: [glowbugradio] My Mystery Tri-band Beam - found?

Looks like it is a heavier-duty Hornet, possibly an HT-500, or an early Swan TB-3, TB-3A or TB-3HA.

The clue being the two different lengths of traps: 15" for the director, and 18"
for the driven and reflector, no "rug beaters" on the ends, and the 14' boom.

Later Swan's had equal sized traps.

Apparently, it has about 7 db gain on all three bands.

7db gain is a whole lot better than 0db or even -2db gain which my vertical has.

Now to find a manual. Anyone?

Boy, would I ever love to get this thing 60 feet in the air! But I'll be lucky to get it 40 feet up....which is better than nothing...

I have what looks like a Ham-M rotator here with control box to twist it with.

Ken Gordon W7EKB

Yahoo! Groups Links

1758. Re: [glowbugradio] My Mystery Tri-band Beam - found?

Yahoo group: glowbugradio
Date: 2013-09-11 21:37:53 UTC
From: kgordon2006@...
Topic: 1756 Message: 1758

On 11 Sep 2013 at 17:32, Eugene Rastberger wrote:

> Ken:
>
> Vintage Manuals lists a Swan TB-3HA. (Google is your friend).
>
> Gene, WØQFC

Thanks, Gene.

And Pete "Manualman" has one for a Hornet HT-500. :-)

Ken W7EKB

1759. RE: [glowbugradio] My Mystery Tri-band Beam - found?

Yahoo group: glowbugradio
Date: 2013-09-11 23:50:48 UTC
From: D C _Mac_ Macdonald
Topic: 1756 Message: 1759

Nothing in BAMA on the Swan TB-3HA, but I knew I had seen the peculiar element mounting before.

I feel somewhat confident that Ken's antenna WAS/IS a Hornet beam. I think a friend back in western NY may have had one many years ago. I will bcc: him on this message to see if he did and if he possibly has kept the manual for it.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: erastber@...
Date: Wed, 11 Sep 2013 17:32:06 -0400
Subject: RE: [glowbugradio] My Mystery Tri-band Beam - found?

Ken:

Vintage Manuals lists a Swan TB-3HA. (Google is your friend).

Gene, WØQFC

-----Original Message-----
From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Wednesday, September 11, 2013 4:58 PM
To: Glowbugradio@yahoogroups.com
Subject: [glowbugradio] My Mystery Tri-band Beam - found?

Looks like it is a heavier-duty Hornet, possibly an HT-500, or an early Swan TB-3, TB-3A or TB-3HA.

The clue being the two different lengths of traps: 15" for the director, and 18" for the driven and reflector, no "rug beaters" on the ends, and the 14' boom.

Later Swans had equal sized traps.

Apparently, it has about 7 db gain on all three bands.

7db gain is a whole lot better than 0db or even -2db gain which my vertical has.

Now to find a manual. Anyone?

Boy, would I ever love to get this thing 60 feet in the air! But I'll be lucky to get it 40 feet up....which is better than nothing...

I have what looks like a Ham-M rotator here with control box to twist it with.

Ken Gordon W7EKB

1760. Re: [glowbugradio] My Mystery Tri-band Beam - found?

Yahoo group: glowbugradio
Date: 2013-09-12 00:15:35 UTC
From: Carl
Topic: 1756 Message: 1760

That is 7dB of make believe gain. More like 4dBd on 20 and a hair more on 10/15.
The perceived gain in use can be more if you have a boost from ground reflection several wavelengths away.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Wednesday, September 11, 2013 4:57 PM
Subject: [glowbugradio] My Mystery Tri-band Beam - found?

Looks like it is a heavier-duty Hornet, possibly an HT-500, or an early Swan TB-3, TB-3A or TB-3HA.

The clue being the two different lengths of traps: 15" for the director, and 18"
for the driven and reflector, no "rug beaters" on the ends, and the 14' boom.

Later Swan's had equal sized traps.

Apparently, it has about 7 db gain on all three bands.

7db gain is a whole lot better than 0db or even -2db gain which my vertical has.

Now to find a manual. Anyone?

Boy, would I ever love to get this thing 60 feet in the air! But I'll be lucky to
get it 40 feet up....which is better than nothing...

I have what looks like a Ham-M rotator here with control box to twist it with.

Ken Gordon W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3222/6155 - Release Date: 09/11/13

1761. Re: [glowbugradio] My Mystery Tri-band Beam - found?

Yahoo group: glowbugradio
Date: 2013-09-12 01:45:30 UTC
From: Kenneth G. Gordon
Topic: 1756 Message: 1761

On 11 Sep 2013 at 18:50, D C _Mac_ Macdonald wrote:

> Nothing in BAMA on the Swan TB-3HA, but I knew I had seen the peculiar
> element mounting before.
>
> I feel somewhat confident that Ken's antenna WAS/IS a Hornet beam. I
> think a friend back in western NY may have had one many years ago. I
> will bcc: him on this message to see if he did and if he possibly has
> kept the manual for it.

Thanks, Mac. We have pretty much settled on it being a Hornet or an early Swan. I have yet to determine exactly which model.

Ken W7EKB

1762. Re: [glowbugradio] My Mystery Tri-band Beam - found?

Yahoo group: glowbugradio
Date: 2013-09-12 01:39:28 UTC
From: Kenneth G. Gordon
Topic: 1756 Message: 1762

On 11 Sep 2013 at 18:50, D C _Mac_ Macdonald wrote:

> Nothing in BAMA on the Swan TB-3HA, but I knew I had seen the peculiar
> element mounting before.
>
> I feel somewhat confident that Ken's antenna WAS/IS a Hornet beam. I
> think a friend back in western NY may have had one many years ago. I
> will bcc: him on this message to see if he did and if he possibly has
> kept the manual for it.

Thanks, Mac. We have pretty much settled on it being a Hornet or an early Swan. I have yet to determine exactly which model.

Ken W7EKB

1763. Re: [glowbugradio] My Mystery Tri-band Beam - found?

Yahoo group: glowbugradio
Date: 2013-09-12 04:05:11 UTC
From: Kenneth G. Gordon
Topic: 1756 Message: 1763

On 11 Sep 2013 at 20:15, Carl wrote:

> That is 7dB of make believe gain. More like 4dBd on 20 and a hair more on
> 10/15.

7db gain over isotropic, I'll bet, NOT a dipole. A dipole has 3 db gain over isotropic. That plus
the 4 dBd is 7 db.

Still, 4 db of gain would double my signal strength at the receiving end, and boy, can I ever
use that sometimes.

> The perceived gain in use can be more if you have a boost from ground
> reflection several wavelengths away.

Which brings up a point: I have a hill, close to 100 feet high, directly to the east of me, and it
begins in my back-yard. I think I am screwed to the east. Plus there are all sorts of buildings
up there.

I suspect that a 100 foot tower would JUST put the beam at ground level on the top of the hill.

Also, I have been searching the Hornet ads in old QST magazines. The "rug beaters" were dropped about 1/2 way through 1960.

It is looking more and more like my antenna is either an HT-500, an HT-750 or an HT-1000.

I am now betting on its being an HT-750, or a Swan copy, which MIGHT be called the TB-3/3A/3AH. I haven't yet found Swan ads after they bought Hornet, but I'm only into 1961 right
now.

But it IS a Hornet. There is now no doubt about that at all now.

Those screws in the slots in the tubing just outside each end of the coil-cans adjust, apparently, a small capacitor or "shorted turn" which tunes the coils inside. There is a short
section of aluminum tubing that slides back and forth there, being moved into and out of the
end of the coil.

I have to replace those screws with stainless steel ones. The old steel ones are rusted.

Before I start working with the GDO, I'll set those things to the centers of their travel.

Ken W7EKB

1764. FT-101

Yahoo group: glowbugradio
Date: 2013-09-14 03:28:52 UTC
From: Kenneth G. Gordon
Topic: 1764 Message: 1764

Well, I am kinda stumped here: output on 160 meters is no more than 25 watts, and the problem is strictly due to insufficent drive.

Everything seems to be normal....just low output.

I did find a cold-solder joint at one end of the 680 pfd cap that is supposed to parallel the 160
meter driver plate trimmer, and fixed that. Now everthing peaks where it is supposed to but drive is still low.

Also, on 20, sensistivity is way down. I can just barely hear a 10 microvolt signal, whereas I
can hear a 1 microvolt signal easily on every other band.

I wonder of those two symptoms are related?

Ken W7EKB

1765. Re: [glowbugradio] FT-101

Yahoo group: glowbugradio
Date: 2013-09-14 13:42:38 UTC
From: Carl
Topic: 1764 Message: 1765

That series is notorious for bandswitch problems which is unobtainium. Thats why I very seldom work on them.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Friday, September 13, 2013 11:28 PM
Subject: [glowbugradio] FT-101

Well, I am kinda stumped here: output on 160 meters is no more than 25 watts, and the
problem is strictly due to insufficent drive.

Everything seems to be normal....just low output.

I did find a cold-solder joint at one end of the 680 pfd cap that is supposed to parallel the 160
meter driver plate trimmer, and fixed that. Now everthing peaks where it is supposed to but
drive is still low.

Also, on 20, sensistivity is way down. I can just barely hear a 10 microvolt signal, whereas I
can hear a 1 microvolt signal easily on every other band.

I wonder of those two symptoms are related?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3222/6164 - Release Date: 09/13/13

1766. Re: [glowbugradio] FT-101

Yahoo group: glowbugradio
Date: 2013-09-14 22:01:59 UTC
From: Kenneth G. Gordon
Topic: 1764 Message: 1766

On 14 Sep 2013 at 9:42, Carl wrote:

> That series is notorious for bandswitch problems which is unobtainium.

Ah!! I had wondered about that...furthermore, it is so jam-packed in there nothing is "reachable".

> Thats why I very seldom work on them.

VERY intelligent of you....but you knew that... ;-)

Ken

1767. My Hornet/Swan beam.

Yahoo group: glowbugradio
Date: 2013-09-17 03:45:36 UTC
From: Kenneth G. Gordon
Topic: 1767 Message: 1767

I received a manual for a Swan/Hornet TB-3/3A/3B beam today, and it contains most of the information I need for my beam.

The only difference (and I suspect it is significant) is that the Swan/Hornet TB-3/3A/3B type has an 18 foot boom, while mine is a 14 footer.

I suspect that the wider spacing would result in greater gain on 20 meters. However, I think I am going to leave this part of the antenna alone.

Otherwise, they are identical, including the element lenghths and spacing.

Now, I am going to dig out of my junk heap the nice rotator I have, with its control. I'll dismantle the rotator, clean it up, re-grease it, and reassemble it before I put it to work with the antenna.

I hope I can get it mounted up at least 40 feet above ground level.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1768. RE: Re: [glowbugradio] FT-101

Yahoo group: glowbugradio
Date: 2013-09-21 07:31:09 UTC
From: <yahoo@...>
Topic: 1764 Message: 1768

I'm wondering it's "simply" dirty contacts, which might be rejuvenated with switch cleaner, or wear / lack of spring which of course would be much harder to fix.

Probably a combination of both of course but it maybe worth trying cleaner if you didn't already.

73 es GL,

... Andrew
G6ALB

--- In glowbugradio@yahoogroups.com, <glowbugradio@yahoogroups.com> wrote:

On 14 Sep 2013 at 9:42, Carl wrote:

> That series is notorious for bandswitch problems which is unobtainium.

Ah!! I had wondered about that...furthermore, it is so jam-packed in there
nothing is "reachable".

> Thats why I very seldom work on them.

VERY intelligent of you....but you knew that... ;-)

Ken

1769. Regenerative detectors...again...

Yahoo group: glowbugradio
Date: 2013-10-23 18:27:07 UTC
From: Kenneth G. Gordon
Topic: 1769 Message: 1769

I have been reading an interesting article from QST for February 1933 entitled "Regenerative Detectors" and am finding it valuable.

The author went to some lengths to investigate gain and selectivity, and those factors effecting both.

He does mention the effect of changing the grid leak value, but only over a very narrow range: i.e. from 3 to 5 megohms.

As some here know, we have been advised by Bob Keys some time ago that very much higher values of grid leak resistance noticeably enhance selectivity. He has suggested, and used, values beginning at 10 meg ohms and typically used 20 meg ohms, coupled with very small grid capacitors, on the order of 10 to 20 pfd. This has resulted in selectivity such that side-band cutting for voice is very noticeable.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1770. Re: [glowbugradio] Regenerative detectors...again...

Yahoo group: glowbugradio
Date: 2013-10-23 19:57:45 UTC
From: John Ruccolo
Topic: 1769 Message: 1770

Hi Ken,

I've often wondered why more regenerative receivers did not use *variable* grid leak resistance and capacitance. Maybe lead length becomes an issue, etc. I'll have to do some tinkering....another in a long line of projects. ;-)

73,

John, KC2UAK

From: Kenneth G. Gordon <kgordon2006@...>
To: GlowbugRadio@yahoogroups.com
Sent: Wednesday, October 23, 2013 2:27 PM
Subject: [glowbugradio] Regenerative detectors...again...

I have been reading an interesting article from QST for February 1933 entitled "Regenerative Detectors" and am finding it valuable.

The author went to some lengths to investigate gain and selectivity, and those factors effecting both.

He does mention the effect of changing the grid leak value, but only over a very narrow range: i.e. from 3 to 5 megohms.

As some here know, we have been advised by Bob Keys some time ago that very much higher values of grid leak resistance noticeably enhance selectivity. He has suggested, and used, values beginning at 10 meg ohms and typically used 20 meg ohms, coupled with very small grid capacitors, on the order of 10 to 20 pfd. This has resulted in selectivity such that side-band cutting for voice is very noticeable.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1771. GFCI interference...

Yahoo group: glowbugradio
Date: 2013-11-07 23:40:24 UTC
From: Kenneth G. Gordon
Topic: 1771 Message: 1771

Well, our next-door neighbors just had the local electrical company come out and "upgrade" their wall plugs.

A couple of GFCIs were installed...

Then it started raining heavily here...

Now my next-door neighbors are experiencing interference in their AM radios when I am on 15 meters, especially, although there is some noticeable effects even when I am on 20. Nothing noticable on 40 or 80.

Drat.

This didn't happen before this.

I wonder if it is possible to move to some place at least 5 miles from the nearest neighbor...

Ken W7EKB

1772. IC-2100 issue

Yahoo group: glowbugradio
Date: 2013-11-11 23:37:58 UTC
From: Kenneth G. Gordon
Topic: 1772 Message: 1772

I have been asked to look at an IC-2100 2 meter transceiver for an old fellow. The unit shuts itself down after even a short period of operation.

Anyone have any experience with this?

I have searched the web and have found nothing.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1773. RE: [glowbugradio] IC-2100 issue

Yahoo group: glowbugradio
Date: 2013-11-12 00:22:13 UTC
From: D C _Mac_ Macdonald
Topic: 1772 Message: 1773

Check that full voltage is making it PAST the inline (aka crappy) fuseholders to the transceiver! This holds true for MANY rigs.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk@... *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: Glowbugradio@yahoogroups.com
From: kgordon2006@...
Date: Mon, 11 Nov 2013 15:37:58 -0800
Subject: [glowbugradio] IC-2100 issue

I have been asked to look at an IC-2100 2 meter transceiver for an old fellow. The unit shuts itself down after even a short period of operation.

Anyone have any experience with this?

I have searched the web and have found nothing.

Kenneth G. Gordon W7EKB

1774. Kenwood TL-922A For Sale

Yahoo group: glowbugradio
Date: 2013-11-13 21:45:19 UTC
From: <km1h@...>
Topic: 1774 Message: 1774

Selling for a disabled friend who put maybe 10 hours on it and then put away as it was too much for his antenna. Then he became disabled and couldnt move it.

It looks almost new, the cleanest Ive ever seen and full power from the original Eimac 3-500Z's.

No switch or other arcs.

Ive run on the air on all bands including AM; it just purrs along.

No voodoo mods or other hacks.

Plug and Play, 240V plug on the line cord included.

Asking $1350 plus shipping from 03076 Tubes go in a seperate box. Original manual included.

Packed the right way by yours truly.

Carl
KM1H

Reply via web post http://groups.yahoo.com/group/ham_amplifiers/post;_ylc=X3oDMTJyMzRsODY2BF9TAzk3MzU5NzE0BGdycElkAzE4NjM1MTk2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMjIyMgRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzEzODQzNzMzNDE-?act=reply&messageNum=32222 Reply to sender mailto:km1h@jeremy.mv.com?subject=Re%3A%20Kenwood%20TL-922A%20for%20sale Reply to group mailto:ham_amplifiers@yahoogroups.com?subject=Re%3A%20Kenwood%20TL-922A%20for%20sale Start a New Topic http://groups.yahoo.com/group/ham_amplifiers/post;_ylc=X3oDMTJmOXJxZzFxBF9TAzk3MzU5NzE0BGdycElkAzE4NjM1MTk2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzEzODQzNzMzNDE- Messages in this topic http://groups.yahoo.com/group/ham_amplifiers/message/32222;_ylc=X3oDMTM3c3FuMXZiBF9TAzk3MzU5NzE0BGdycElkAzE4NjM1MTk2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMjIyMgRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzEzODQzNzMzNDEEdHBjSWQDMzIyMjI- (1) Recent Activity: New Members http://groups.yahoo.com/group/ham_amplifiers/members;_ylc=X3oDMTJnOHQ4MW05BF9TAzk3MzU5NzE0BGdycElkAzE4NjM1MTk2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMzg0MzczMzQx?o=6 1 Visit Your Group http://groups.yahoo.com/group/ham_amplifiers;_ylc=X3oDMTJmcHRmc2p2BF9TAzk3MzU5NzE0BGdycElkAzE4NjM1MTk2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEzODQzNzMzNDE-

http://groups.yahoo.com/;_ylc=X3oDMTJlaHRqdXBqBF9TAzk3MzU5NzE0BGdycElkAzE4NjM1MTk2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM4NDM3MzM0MQ-- Switch to: Text-Only mailto:ham_amplifiers-traditional@yahoogroups.com?subject=Change Delivery Format: Traditional, Daily Digest mailto:ham_amplifiers-digest@yahoogroups.com?subject=Email Delivery: Digest • Unsubscribe mailto:ham_amplifiers-unsubscribe@yahoogroups.com?subject=Unsubscribe • Terms of Use http://info.yahoo.com/legal/us/yahoo/utos/terms/ • Send us Feedback mailto:ygroupsnotifications@yahoogroups.com?subject=Feedback on the redesigned individual

mail v1

1775. FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 02:19:38 UTC
From: Kenneth G. Gordon
Topic: 1775 Message: 1775

Might anyone have the telephone number at the FCC which one would call when they are getting interference FROM a ham radio op?

I need this to give to my asshole neighbors...

I would also need the number to call the FCC when **I** am receiving interference from their crap.

Thanks,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1776. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 02:23:50 UTC
From: Bob Macklin
Topic: 1775 Message: 1776

LOL!

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Monday, November 25, 2013 6:19 PM
Subject: [glowbugradio] FCC contact number needed...

Might anyone have the telephone number at the FCC which one would call when they are getting interference FROM a ham radio op?

I need this to give to my asshole neighbors...

I would also need the number to call the FCC when **I** am receiving interference from their crap.

Thanks,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1777. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 02:32:02 UTC
From: Charles MacDonald
Topic: 1775 Message: 1777

On 13-11-25 09:19 PM, Kenneth G. Gordon wrote:
> Might anyone have the telephone number at the FCC which one would call
> when they are getting interference FROM a ham radio op?
> > I would also need the number to call the FCC when **I** am receiving
> interference from their crap.

Quick look at the FCC.GOV web site lists this page which might have what
you are looking for.
http://www.fcc.gov/enforcement-bureau

There is an 800 Number Phone: 888-CALL-FCC (1-888-225-5322)
Fax: (866) 418-0232

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1778. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 02:50:48 UTC
From: John W.
Topic: 1775 Message: 1778

Ham Radio operators are immune from interference complaints. Are you sure your problem isn't really coming from a CB operator, running illegal power? If so, then you have grounds for a complaint..

From: Kenneth G. Gordon <kgordon2006@...>
To: Glowbugradio@yahoogroups.com
Sent: Monday, November 25, 2013 9:19 PM
Subject: [glowbugradio] FCC contact number needed...

Might anyone have the telephone number at the FCC which one would call when they are getting interference FROM a ham radio op?

I need this to give to my asshole neighbors...

I would also need the number to call the FCC when **I** am receiving interference from their crap.

Thanks,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

---

Yahoo Groups Links

    http://info.yahoo.com/legal/us/yahoo/utos/terms/

1779. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 03:45:08 UTC
From: Kenneth G. Gordon
Topic: 1775 Message: 1779

On 25 Nov 2013 at 18:50, John W. wrote:

> Ham Radio operators are immune from interference complaints. Are you
> sure your problem isn't really coming from a CB operator, running
> illegal power?

Unfortunately, yes. I am sure. The biggest problem is that the neighbors with the worst problem are living in a house which has, essentially, no proper ground for their electrical system.

As an example, one neighbor was complaining very vociferiously that I was coming through her computer speakers. I finally, under duress, loaned her a set of my own, properly filtered, computer speakers, and when she connected those, her UN-connected and UN-powered speakers, which were sitting on the floor, were still emitting noise, while those I had loaned her were totally silent.

Her Bose radio also gets interference from me, but I am not touching that.

Then, the owner of the home had a local electric company install GFCIs. Ever since, the neighbors have been complaining that the interference has gotten WORSE, and I am the cause of it.

BS.

Well, I may call the FCC anyway. This is getting very tiresome.

I may also simply finish my single-band 1500 watt amps, and put a brick on the key of one of them, then leave for the day.

Of course, one other problem is that my only antenna is a ground-mounted vertical, 55' tall, which has a pretty good "ground wave".

I am also certain that if I could afford to put up a 100' tower with a big beam on it, they would automatically blame me for every sort of interference that ever occurred after that, even if I didn't have a transmitter connected to it.

They can all go to hell.

Ken W7EKB

1780. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 03:48:45 UTC
From: Bill Cotter
Topic: 1775 Message: 1780

Sounds like you need a dose of QRP till the dust settles, hi!

73 Bill N4LG

At 10:45 PM 11/25/2013, you wrote:
>
>
>On 25 Nov 2013 at 18:50, John W. wrote:
>
> > Ham Radio operators are immune from
> interference complaints. Are you
> > sure your problem isn't really coming from a CB operator, running
> > illegal power?
>
>Unfortunately, yes. I am sure. The biggest
>problem is that the neighbors with
>the worst problem are living in a house which
>has, essentially, no proper
>ground for their electrical system.
>
>As an example, one neighbor was complaining very
>vociferiously that I was
>coming through her computer speakers. I finally,
>under duress, loaned her a
>set of my own, properly filtered, computer speakers, and when she
>connected those, her UN-connected and UN-powered speakers, which were
>sitting on the floor, were still emitting noise,
>while those I had loaned her
>were totally silent.
>
>Her Bose radio also gets interference from me,
>but I am not touching that.
>
>Then, the owner of the home had a local electric
>company install GFCIs.
>Ever since, the neighbors have been complaining
>that the interference has
>gotten WORSE, and I am the cause of it.
>
>BS.
>
>Well, I may call the FCC anyway. This is getting very tiresome.
>
>I may also simply finish my single-band 1500
>watt amps, and put a brick on

>the key of one of them, then leave for the day.
>
>Of course, one other problem is that my only
>antenna is a ground-mounted
>vertical, 55' tall, which has a pretty good "ground wave".
>
>I am also certain that if I could afford to put
>up a 100' tower with a big beam
>on it, they would automatically blame me for
>every sort of interference that
>ever occurred after that, even if I didn't have
>a transmitter connected to it.
>
>They can all go to hell.
>
>Ken W7EKB
>

1781. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 03:59:11 UTC
From: Kenneth G. Gordon
Topic: 1775 Message: 1781

On 25 Nov 2013 at 22:48, Bill Cotter wrote:

> Sounds like you need a dose of QRP till the dust settles, hi!

Oh, I have that too: an SMK-1 and a couple of other similar rigs. They're great fun. And my AN/GRC-109 at 15 watts isn't bad either.

Trouble is, those won't enable me to make my TCC skeds either.

I have thought about renting space on a mountain somewhere and remote-controlling my station. Trouble with that idea is vandals.

Ken W7EKB

1782. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 04:07:34 UTC
From: Bob Macklin
Topic: 1775 Message: 1782

Tell your neighbors to call the FCC!

In the early 60's one of my neighbors called the FCC on me.

The FCC office was in San Francisco, and I lived in San Jose. 50 miles.

The FCC had the local ARC checkout the problem. I was blocking CH 2 with a 50MHz RC transmitter. 2W!

The guy from the local ARC went to my neighbors place and told him to get a better TV antenna!

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: Bill Cotter ; glowbugradio@yahoogroups.com
Sent: Monday, November 25, 2013 7:59 PM
Subject: Re: [glowbugradio] FCC contact number needed...

On 25 Nov 2013 at 22:48, Bill Cotter wrote:

> Sounds like you need a dose of QRP till the dust settles, hi!

Oh, I have that too: an SMK-1 and a couple of other similar rigs. They're great fun. And my AN/GRC-109 at 15 watts isn't bad either.

Trouble is, those won't enable me to make my TCC skeds either.

I have thought about renting space on a mountain somewhere and remote-controlling my station. Trouble with that idea is vandals.

Ken W7EKB

1783. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 15:18:01 UTC
From: Carl
Topic: 1775 Message: 1783

Why do you want to make it easy for them, they can find their own FCC #.
When dealing with a'holes treat them like one.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Monday, November 25, 2013 9:19 PM
Subject: [glowbugradio] FCC contact number needed...

Might anyone have the telephone number at the FCC which one would call
when they are getting interference FROM a ham radio op?

I need this to give to my asshole neighbors...

I would also need the number to call the FCC when **I** am receiving
interference from their crap.

Thanks,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3629/6368 - Release Date: 11/26/13

1784. Re: [glowbugradio] FCC contact number needed...

Yahoo group: glowbugradio
Date: 2013-11-26 16:37:07 UTC
From: Kenneth G. Gordon
Topic: 1775 Message: 1784

On 26 Nov 2013 at 10:18, Carl wrote:

> Why do you want to make it easy for them, they can find their own FCC
> #.

Because the libtard a'holes prefer to complain to me and refuse to understand when I tell them I am not at fault. I WANT them to call the FCC and let the gummint, whom they revere as their god, tell them. But they are too d'mned lazy to do that, so I am "helping them out". Jerks.

> When dealing with a'holes treat them like one.

That's what I am trying to do.

Ken W7EKB

1785. A "Mill"

Yahoo group: glowbugradio
Date: 2013-12-01 04:42:15 UTC
From: Kenneth G. Gordon
Topic: 1785 Message: 1785

Hmmmm....I think I have found a mill with dust cover and stand for $25.
Keeping my fingers crossed...

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1786. Re: [glowbugradio] A "Mill"

Yahoo group: glowbugradio
Date: 2013-12-01 14:23:10 UTC
From: Carl
Topic: 1785 Message: 1786

I can hear the clatter and smell the oil from here.

Carl

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Saturday, November 30, 2013 11:42 PM
Subject: [glowbugradio] A "Mill"

Hmmmm....I think I have found a mill with dust cover and stand for $25.
Keeping my fingers crossed...

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

---

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1432 / Virus Database: 3629/6382 - Release Date: 12/01/13

1787. Re: [glowbugradio] A "Mill"

Yahoo group: glowbugradio
Date: 2013-12-01 19:18:18 UTC
From: Kenneth G. Gordon
Topic: 1785 Message: 1787

On 1 Dec 2013 at 9:23, Carl wrote:

> I can hear the clatter and smell the oil from here.
>
> Carl

The present owner just sent me photos: it is an L.C. Smith. Apparently, he was a radio operator on a submarine during WWII. It appears to be in beautiful shape.

Unfortunately, it is pickup only, so I have to figure out how to get it here.

He is asking $25 for it, and no one else even asked about it.

I guess I'm just a little bit crazy....

I have wanted one since I was about 15 years old, and I am 71 now...

Ken W7EKB

1788. Re: [glowbugradio] A "Mill"

Yahoo group: glowbugradio
Date: 2013-12-01 19:22:46 UTC
From: Kenneth G. Gordon
Topic: 1785 Message: 1788

On 1 Dec 2013 at 11:53, w4foa@... wrote:

> Kenneth,
> WOW! Congrats. I sure would love to find such a deal, hi.
> I spent many years sitting at one of those stands with a mill. No dust
> cover as these mills worked 24/7/365, hi. Enjoy the old jewel! 73
> Tony, W4FOA PS: Just curious where you found it? On one of the for
> sale sites or ??

I just happened on it in an old pub from a ham radio club I used to be remotely connected with.

I was amazed.

Ken W7EKB

1789. Noise level

Yahoo group: glowbugradio
Date: 2013-12-02 03:38:08 UTC
From: Kenneth G. Gordon
Topic: 1789 Message: 1789

Hmmm...we have a steady S-9 noise level here on 80. Sounds sort of like the noise one gets with an aurora nearby. Swishing up and down in pitch. Sometimes rising to S-9 + 20db.

Lots of wind outside too.

Difficult to make contacts, and sounds "funny".

Rats.

Ken W7EKB

1790. Swamping resistor choice.

Yahoo group: glowbugradio
Date: 2013-12-20 19:42:37 UTC
From: Kenneth G. Gordon
Topic: 1790 Message: 1790

Hello, All.

I am modifying, primarily as an experiement, one of my SB-200s for a pair of 4CX250Bs in the swamped-grid configuration.

The newer 572Bs are crap and I am trying to come up with a cheaper but more reliable alternative.

I need a non-inductive 50 ohm swamping resistor. Caddock's don't do very well in this application.

On Carl's advice, I have been looking at MFJ's series of dummy loads, but I am having difficulty deciding on which one I should choose.

I'll be driving this amp with the usual 100 watt output transceiver, and, I would think that most of the power would be used to drive the amplifier tubes.

So my question is, what continuous dissipation rating should I choose for the swamping resistor? 100 watts? Less? More?

MFJ's 300 watt dummy load has a continuous dissipation rating of 25 watts. Their 1500 watt job has a dissipation rating of 100 watts for 10 minutes.

Any ideas?

Although most of my operating is CW, and some SSB, I also operate some PACTOR and other digital modes. I don't do AM, although I may decide to use controlled-carrier AM with my DX-35 sometime in the future.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1791. Re: [glowbugradio] Swamping resistor choice.

Yahoo group: glowbugradio
Date: 2013-12-20 22:06:00 UTC
From: David C. Hallam
Topic: 1790 Message: 1791

I used 50W carborundum resistors for the swamping resistor on several linears I have built. The driver in each case was a pair of 6146's. However I don't use the resistor as a dummy load, only for a short tune up, and I have never used one of my linears for AM.

David
KW4DH

On 12/20/2013 2:42 PM, Kenneth G. Gordon wrote:
> Hello, All.
>
> I am modifying, primarily as an experiement, one of my SB-200s for a
> pair of
> 4CX250Bs in the swamped-grid configuration.
>
> The newer 572Bs are crap and I am trying to come up with a cheaper but
> more reliable alternative.
>
> I need a non-inductive 50 ohm swamping resistor. Caddock's don't do very
> well in this application.
>
> On Carl's advice, I have been looking at MFJ's series of dummy loads, but I
> am having difficulty deciding on which one I should choose.
>
> I'll be driving this amp with the usual 100 watt output transceiver, and, I
> would think that most of the power would be used to drive the amplifier
> tubes.
>
> So my question is, what continuous dissipation rating should I choose
> for the
> swamping resistor? 100 watts? Less? More?
>
> MFJ's 300 watt dummy load has a continuous dissipation rating of 25 watts.
> Their 1500 watt job has a dissipation rating of 100 watts for 10 minutes.
>
> Any ideas?
>
> Although most of my operating is CW, and some SSB, I also operate some
> PACTOR and other digital modes. I don't do AM, although I may decide to
> use controlled-carrier AM with my DX-35 sometime in the future.
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>

>

--
Before I came here I was confused about this subject. Having listened
to your lecture I am still confused. But on a higher level.
Enrico Fermi

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

1792. Re: [glowbugradio] Swamping resistor choice.

Yahoo group: glowbugradio
Date: 2013-12-20 23:28:05 UTC
From: Kenneth G. Gordon
Topic: 1790 Message: 1792

On 20 Dec 2013 at 17:06, David C. Hallam wrote:

> I used 50W carborundum resistors for the swamping resistor on several
> linears I have built.

Where did you get those, and what were the called?

Thanks.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1793. Re: [glowbugradio] Swamping resistor choice.

Yahoo group: glowbugradio
Date: 2013-12-21 01:07:57 UTC
From: Carl
Topic: 1790 Message: 1793

Why not configure as the THP HL-1K or did we discuss that earlier??

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Friday, December 20, 2013 2:42 PM
Subject: [glowbugradio] Swamping resistor choice.

Hello, All.

I am modifying, primarily as an experiement, one of my SB-200s for a pair of 4CX250Bs in the swamped-grid configuration.

The newer 572Bs are crap and I am trying to come up with a cheaper but more reliable alternative.

I need a non-inductive 50 ohm swamping resistor. Caddock's don't do very well in this application.

On Carl's advice, I have been looking at MFJ's series of dummy loads, but I am having difficulty deciding on which one I should choose.

I'll be driving this amp with the usual 100 watt output transceiver, and, I would think that most of the power would be used to drive the amplifier tubes.

So my question is, what continuous dissipation rating should I choose for the
swamping resistor? 100 watts? Less? More?

MFJ's 300 watt dummy load has a continuous dissipation rating of 25 watts. Their 1500 watt job has a dissipation rating of 100 watts for 10 minutes.

Any ideas?

Although most of my operating is CW, and some SSB, I also operate some PACTOR and other digital modes. I don't do AM, although I may decide to use controlled-carrier AM with my DX-35 sometime in the future.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3658/6936 - Release Date: 12/20/13

1794. Re: [glowbugradio] Swamping resistor choice.

Yahoo group: glowbugradio
Date: 2013-12-21 01:56:33 UTC
From: David C. Hallam
Topic: 1790 Message: 1794

Look here for information

http://www.ppmpower.co.uk/resistors_ceramic/

I suspect new one are terribly expensive. I have always gotten then at hamfests. I am sure if you ask on the various reflectors where amp builders hang out, you can find some one who has some.

David
KW4DH

On 12/20/2013 6:28 PM, Kenneth G. Gordon wrote:
> On 20 Dec 2013 at 17:06, David C. Hallam wrote:
>
>> I used 50W carborundum resistors for the swamping resistor on several
>> linears I have built.
>
> Where did you get those, and what were the called?
>
> Thanks.
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>

--
Before I came here I was confused about this subject. Having listened
to your lecture I am still confused. But on a higher level.
Enrico Fermi

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

1795. Re: [glowbugradio] A little glowbug/boatanchor joke

Yahoo group: glowbugradio
Date: 2013-12-24 18:40:02 UTC
From: John Ruccolo
Topic: 1790 Message: 1795

Q: What do you use most at your workbench?

A: Profanity.

73 and Merry Christmas,

John, KC2UAK

1796. Re: [glowbugradio] A little glowbug/boatanchor joke

Yahoo group: glowbugradio
Date: 2013-12-24 20:39:45 UTC
From: Carl
Topic: 1790 Message: 1796

Being ex USN I completely agree!

Carl

Subject: Re: [glowbugradio] A little glowbug/boatanchor joke

Q: What do you use most at your workbench?

A: Profanity.

73 and Merry Christmas,

John, KC2UAK

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3658/6946 - Release Date: 12/24/13

1797. SKN?

Yahoo group: glowbugradio
Date: 2014-01-01 18:17:58 UTC
From: Kenneth G. Gordon
Topic: 1797 Message: 1797

Is anyone here working SKN?

I've been having an absolute blast on 80 and 40 meters.

I'm using my recently-aquired HW-16 driven by my modified for grid-block keying VF-1.

I've worked some interesting stations. It feels much like my first few years as a Novice and new Conditional.

Conditions on 80 and 40 (and 20) are unusual: 40 is still hot even this late in the day, and 80 last night sounded like 20 meters on a hot afternoon.

In fact, I am hearing QSOs on 80 even now.

20 meters right now is showing nothing but DX and 6's here.

My most recent 40 meter QSO was with W7OS in Washington. He was operating a museum station which consists of a "three stage homebrew transmitter with a 211 final amp at 60 watts" and an HQ-120.

Last night I worked K3MSB in Pennsylvania on 80 who was operating a complete ARC-5 station.

Well, vy 73 to all for now.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1798. Re: SKN?

Yahoo group: glowbugradio
Date: 2014-01-02 17:26:07 UTC
From: Paul Beckwith
Topic: 1797 Message: 1798

Yes, I was on SKN with the GRC-9, ART-13, HRO-W and R-808. Had a
blast. SKN, even for just a couple of hours, is a MUST for me every year.

Happy New Year to all!

73's de Paul K2LMQ Kingman, AZ

1799. Final tank circuit weirdness - advice?

Yahoo group: glowbugradio
Date: 2014-02-03 00:11:07 UTC
From: Kenneth G. Gordon
Topic: 1799 Message: 1799

I have never run into this before, so I am asking the group: If there is a shorted turn in a final tank coil, can that so upset things as to make the entire circuit un-resonate-able?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1800. Re: [glowbugradio] Final tank circuit weirdness - advice?

Yahoo group: glowbugradio
Date: 2014-02-03 00:35:15 UTC
From: Bob Macklin
Topic: 1799 Message: 1800

Pi network finals work by shorting turns!

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Sunday, February 02, 2014 4:11 PM
Subject: [glowbugradio] Final tank circuit weirdness - advice?

I have never run into this before, so I am asking the group: If there is a shorted turn in a final tank coil, can that so upset things as to make the entire circuit un-resonate-able?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1801. Re: [glowbugradio] Swamping resistor choice.

Yahoo group: glowbugradio
Date: 2014-02-07 06:13:11 UTC
From: Kenneth G. Gordon
Topic: 1790 Message: 1801

On 20 Dec 2013 at 20:07, Carl wrote:

> Why not configure as the THP HL-1K or did we discuss that earlier??

No. But I just looked at the schematic. A pair of 4X150As in grounded-grid, but with correct bias voltages on the tubes, grids grounded for RF, but not for DC.

As I remember it, I had asked about that method some time ago. I forget what we decided at that point.

Hmm....

I already have all the necessary supplies...

Now, I have to think....

Ken

1802. Re: [glowbugradio] Swamping resistor choice.

Yahoo group: glowbugradio
Date: 2014-02-07 16:45:55 UTC
From: Carl
Topic: 1790 Message: 1802

** You expect me to remember back that far? I suspect you decided going with a swamped grid.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Friday, February 07, 2014 1:13 AM
Subject: Re: [glowbugradio] Swamping resistor choice.

On 20 Dec 2013 at 20:07, Carl wrote:

> Why not configure as the THP HL-1K or did we discuss that earlier??

No. But I just looked at the schematic. A pair of 4X150As in grounded-grid, but with correct bias voltages on the tubes, grids grounded for RF, but not for DC.

As I remember it, I had asked about that method some time ago. I forget what we decided at that point.

Hmm....

I already have all the necessary supplies...

Now, I have to think....

Ken

1803. WTD: Eldico SBA-1 manual

Yahoo group: glowbugradio
Date: 2014-02-10 01:16:51 UTC
From: <km1h@...>
Topic: 1803 Message: 1803

A clean copy is fine. I picked up this vintage SSB adapter to go in the rack with a R-388 and 51J4.

Any leads appreciated, couldnt find any via Google or BAMA.

Thanks
Carl
KM1H

1804. Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 18:20:48 UTC
From: Kenneth G. Gordon
Topic: 1804 Message: 1804

OK, Gang. I am asking the collective wisdom for some advice (as usual). For the past several months, I have been plagued with a very high noise level, which is most obvious on 80 meters, but also effects the higher bands.

After receiving a Yaesu FT-890 as a loan until I can get one or the other of my more modern rigs back in operation, I was appalled to learn that my local noise level on 80 is an indicated pretty constant 20 db over S-9.

Turning the rigs RF preamp off reduces the indicated noise level by about 10 DB. Turning the Noise Blanker on, and adjusting for minimum noise level reduces that another few db. However, the NB must be turned up so high that it introduces really severe distortion in the recovered audio.

In order to determine whether or not the noise was coming from something within our own home, this morning, I connected the FT-890 to a car battery, then switched off the main breaker to the entire house, leaving it off for several minutes. (Everyone else was still asleep.)

Result: no change. Still 20 db over S-9 on 80 meters.

Conclusion: noise is not "local" in that it isn't within our own property.

I have also discovered yet another "interesting" noise: some sort of very unstable RF carrier that periodically sweeps the entire length of the 80 meter (at least) band at +30 DB over S-9, beginning low and sweeping high.

Have not yet figured that one out.

I am heading out today with a portable receiver with loopstick. The noise is SO LOUD, that at this point, all I want to do is to try to determine direction. Therefore, an AM radio and a map will suffice.

Anyone have any other ideas?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1805. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 18:35:16 UTC
From: Jim Strohm
Topic: 1804 Message: 1805

Do you have self-reading utility meters in your neighborhood?

BPL?

Who are your local cable and electrical providers? Some of them are notorious violators.

Local AM broadcaster? Neighbor with a diathermy machine?

The FCC is your friend on this -- you may want to contact your local field office if your exploratory signal chasing comes up empty-handed.

Good luck and 73
Jim N6OTQ

On Thu, Mar 6, 2014 at 12:20 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

> OK, Gang. I am asking the collective wisdom for some advice (as usual).
> For the
> past several months, I have been plagued with a very high noise level,
> which is
> most obvious on 80 meters, but also effects the higher bands.
>
> After receiving a Yaesu FT-890 as a loan until I can get one or the other
> of my
> more modern rigs back in operation, I was appalled to learn that my local
> noise
> level on 80 is an indicated pretty constant 20 db over S-9.
>
> Turning the rigs RF preamp off reduces the indicated noise level by about
> 10
> DB. Turning the Noise Blanker on, and adjusting for minimum noise level
> reduces
> that another few db. However, the NB must be turned up so high that it
> introduces really severe distortion in the recovered audio.
>
> In order to determine whether or not the noise was coming from something
> within
> our own home, this morning, I connected the FT-890 to a car battery, then
> switched off the main breaker to the entire house, leaving it off for
> several
> minutes. (Everyone else was still asleep.)
>
> Result: no change. Still 20 db over S-9 on 80 meters.
>
> Conclusion: noise is not "local" in that it isn't within our own property.

>
> I have also discovered yet another "interesting" noise: some sort of very
> unstable RF carrier that periodically sweeps the entire length of the 80
> meter
> (at least) band at +30 DB over S-9, beginning low and sweeping high.
>
> Have not yet figured that one out.
>
> I am heading out today with a portable receiver with loopstick. The noise
> is SO
> LOUD, that at this point, all I want to do is to try to determine
> direction.
> Therefore, an AM radio and a map will suffice.
>
> Anyone have any other ideas?
>
> Kenneth G. Gordon W7EKB
>

1806. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 19:57:52 UTC
From: Charles MacDonald
Topic: 1804 Message: 1806

On 14-03-06 01:20 PM, Kenneth G. Gordon wrote:

> In order to determine whether or not the noise was coming from something within
> our own home, this morning, I connected the FT-890 to a car battery, then
> switched off the main breaker to the entire house, leaving it off for several
> minutes. (Everyone else was still asleep.)

> I have also discovered yet another "interesting" noise: some sort of very
> unstable RF carrier that periodically sweeps the entire length of the 80 meter
> Have not yet figured that one out.

Switch mode power supplies and Electronic Florescent ballasts are all
over the place these days. (in fact the Americans are forcing industry
to move to T8 Lamps with electronic ballasts)

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1807. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:07:02 UTC
From: Kenneth G. Gordon
Topic: 1804 Message: 1807

On 6 Mar 2014 at 12:35, Jim Strohm wrote:

> Do you have self-reading utility meters in your neighborhood?

I don't know. I periodically have seen a power company person running around with a clipboard.

> BPL?

Again, I don't know, although I seriously doubt it: there has been no attempt by the local power company to compete with any of the other ISPs around here. Besides, I have been watching just for that in the power company's weekly or monthly newsletters and have not yet seen any mention of it.

> Who are your local cable and electrical providers? Some of them are
> notorious violators.

Tell me about it. We have Time-Warner Cable (recently sold to someone else) and Avista for the electrical and gas service.

> Local AM broadcaster?

Doubt that, but I am going to check it out anyway. Nearest AM broadcaster is less than a mile north of me and on 1400 KHz. 500 watts.

> Neighbor with a diathermy machine?

REALLY doubt that, but it is possible, I suppose. Every neighbor within several blocks is too much of a techno-klutz to have such a device. Still...

> The FCC is your friend on this -- you may want to contact your local field
> office

Well, here in the sticks of Idaho we don't have a "local" FCC Field Office. Nearest one is in Seattle which is at least 300 miles away. I may call them anyway.

>if your exploratory signal chasing comes up empty-handed.

Yes. I'll use them as a last resort.

> Good luck and 73
> Jim N6OTQ

Thanks, Jim.

Ken W7EKB

1808. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:11:37 UTC
From: Jim Strohm
Topic: 1804 Message: 1808

And if you have to choose a new ballast, remember "B is better" -- there are Class A ballasts, intended for commercial or industrial environments, and Class B ballasts, intended for home environments. The Class B ballasts are quieter, according to the standard, but "quieter" is relative.

I've recently installed some Class A ballasts here, but since my shack is still in pieces I have not yet tested them for EMI emissions, nor tried to suppress said emissions.

Luckily I have tons of surplus ferrites in my junk box, so if I have noise issues I know how to start. But I dunno about my neighbors. Some will work with me to reduce their emissions; the ones who won't will feel the wrath of the plasma generators in my garage as I do metal work and "other stuff."

Remember, fundamental overload respects no frequency. And a 3CX3000 plasma generator running at full boreon 13.56 MHz will make for some, uhhh, interesting cable TV viewing when it overloads the front end of the receiver.

BTW, that's not my biggest tube, not by a long shot.

73
Jim N6OTQ

On Thu, Mar 6, 2014 at 1:57 PM, Charles MacDonald <aa508@...
> wrote:

> On 14-03-06 01:20 PM, Kenneth G. Gordon wrote:
>
> > In order to determine whether or not the noise was coming from something
> within
> > our own home, this morning, I connected the FT-890 to a car battery, then
> > switched off the main breaker to the entire house, leaving it off for
> several
> > minutes. (Everyone else was still asleep.)
>
> > I have also discovered yet another "interesting" noise: some sort of very
> > unstable RF carrier that periodically sweeps the entire length of the 80
> meter
> > Have not yet figured that one out.
>
> Switch mode power supplies and Electronic Florescent ballasts are all
> over the place these days. (in fact the Americans are forcing industry
> to move to T8 Lamps with electronic ballasts)
>
>

> --
> Charles MacDonald Stittsville Ontario
>

1809. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:11:24 UTC
From: Carl
Topic: 1804 Message: 1809

Join RFI@...

Run by Tim Duffy, K3LR, one of the top contesters of all time.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, March 06, 2014 1:20 PM
Subject: [glowbugradio] Really terrible noise problem

OK, Gang. I am asking the collective wisdom for some advice (as usual). For the past several months, I have been plagued with a very high noise level, which is most obvious on 80 meters, but also effects the higher bands.

After receiving a Yaesu FT-890 as a loan until I can get one or the other of my more modern rigs back in operation, I was appalled to learn that my local noise level on 80 is an indicated pretty constant 20 db over S-9.

Turning the rigs RF preamp off reduces the indicated noise level by about 10 DB. Turning the Noise Blanker on, and adjusting for minimum noise level reduces that another few db. However, the NB must be turned up so high that it introduces really severe distortion in the recovered audio.

In order to determine whether or not the noise was coming from something within our own home, this morning, I connected the FT-890 to a car battery, then switched off the main breaker to the entire house, leaving it off for several minutes. (Everyone else was still asleep.)

Result: no change. Still 20 db over S-9 on 80 meters.

Conclusion: noise is not "local" in that it isn't within our own property.

I have also discovered yet another "interesting" noise: some sort of very unstable RF carrier that periodically sweeps the entire length of the 80 meter (at least) band at +30 DB over S-9, beginning low and sweeping high.

Have not yet figured that one out.

I am heading out today with a portable receiver with loopstick. The noise is SO LOUD, that at this point, all I want to do is to try to determine direction. Therefore, an AM radio and a map will suffice.

Anyone have any other ideas?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4335 / Virus Database: 3705/7159 - Release Date: 03/06/14

1810. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:16:25 UTC
From: Jim Strohm
Topic: 1804 Message: 1810

There ya go.

LOTS better than rotting your lungs breathing the fumes from a plasma cutter to get back at the neighbors for their noisy digital equipment.

73
Jim N6OTQ

PS -- Whenever Carl checks in, pay attention to what he says.

On Thu, Mar 6, 2014 at 2:11 PM, Carl <km1h@...> wrote:

>
>
> Join RFI@...
>
> Run by Tim Duffy, K3LR, one of the top contesters of all time.
>
> Carl
> KM1H
>

1811. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:37:19 UTC
From: Kenneth G. Gordon
Topic: 1804 Message: 1811

On 6 Mar 2014 at 14:57, Charles MacDonald wrote:

> Switch mode power supplies and Electronic Florescent ballasts are all
> over the place these days. (in fact the Americans are forcing industry
> to move to T8 Lamps with electronic ballasts)

Which to my way of thinking is completely stupid. :-(

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1812. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:41:19 UTC
From: Kenneth G. Gordon
Topic: 1804 Message: 1812

On 6 Mar 2014 at 14:16, Jim Strohm wrote:

> There ya go.
>
> LOTS better than rotting your lungs breathing the fumes from a plasma
> cutter to get back at the neighbors for their noisy digital equipment.
>
> 73
> Jim N6OTQ
>
> PS -- Whenever Carl checks in, pay attention to what he says.

Oh, I do. Believe me, I do. :-)

Ken W7EKB

1813. RE: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:44:10 UTC
From: D C _Mac_ Macdonald
Topic: 1804 Message: 1813

Actually, go to www.contesting.com and select RFI to sign up for that forum.

I think I'll be having lunch with Tim, K3LR tomorrow.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk hotmail com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: km1h@...
Date: Thu, 6 Mar 2014 15:11:24 -0500
Subject: Re: [glowbugradio] Really terrible noise problem

Join RFI@...

Run by Tim Duffy, K3LR, one of the top contesters of all time.

Carl
KM1H

----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, March 06, 2014 1:20 PM
Subject: [glowbugradio] Really terrible noise problem

OK, Gang. I am asking the collective wisdom for some advice (as usual). For the past several months, I have been plagued with a very high noise level, which is most obvious on 80 meters, but also effects the higher bands.

After receiving a Yaesu FT-890 as a loan until I can get one or the other of my more modern rigs back in operation, I was appalled to learn that my local noise level on 80 is an indicated pretty constant 20 db over S-9.

Turning the rigs RF preamp off reduces the indicated noise level by about 10 DB. Turning the Noise Blanker on, and adjusting for minimum noise level reduces that another few db. However, the NB must be turned up so high that it introduces really severe distortion in the recovered audio.

In order to determine whether or not the noise was coming from something within our own home, this morning, I connected the FT-890 to a car battery, then switched off the main breaker to the entire house, leaving it off for several minutes. (Everyone else was still asleep.)

Result: no change. Still 20 db over S-9 on 80 meters.

Conclusion: noise is not "local" in that it isn't within our own property.

I have also discovered yet another "interesting" noise: some sort of very unstable RF carrier that periodically sweeps the entire length of the 80 meter (at least) band at +30 DB over S-9, beginning low and sweeping high.

Have not yet figured that one out.

I am heading out today with a portable receiver with loopstick. The noise is SO LOUD, that at this point, all I want to do is to try to determine direction. Therefore, an AM radio and a map will suffice.

Anyone have any other ideas?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1814. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:52:08 UTC
From: Kenneth G. Gordon
Topic: 1804 Message: 1814

On 6 Mar 2014 at 14:44, D C _Mac_ Macdonald wrote:

> Actually, go to www.contesting.com and select RFI to sign up for that forum.

Did. Thanks, Mac.

> I think I'll be having lunch with Tim, K3LR tomorrow.

Well, tell him, "Hello" from us.

Ken W7EKB

1815. RE: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 20:58:32 UTC
From: D C _Mac_ Macdonald
Topic: 1804 Message: 1815

I don't know if Tim will be going northeast with us here in OKC up the Turner and Will Rogers Turnpikes tomorrow to the Green Country Hamfest in Claremore. I think Bob Heil will be doing one of his seminars there.

Tim's son is attending University of Oklahoma, just 20 miles south down the road from me.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk hotmail com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

1816. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 22:02:25 UTC
From: Carl
Topic: 1804 Message: 1816

Tim has more free time these days!. That ole boy has done hiself well as they say down your way.

Thanks for the RFI site correction, fingers are too fast for the brain.

Carl
KM1H

----- Original Message -----
From: D C _Mac_ Macdonald
To: Glowbug Radio
Sent: Thursday, March 06, 2014 3:58 PM
Subject: RE: [glowbugradio] Really terrible noise problem

I don't know if Tim will be going northeast with us here in OKC up the Turner and Will Rogers Turnpikes tomorrow to the Green Country Hamfest in Claremore. I think Bob Heil will be doing one of his seminars there.

Tim's son is attending University of Oklahoma, just 20 miles south down the road from me.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk hotmail com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4335 / Virus Database: 3705/7159 - Release Date: 03/06/14

1817. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 22:49:30 UTC
From: Bob Macklin
Topic: 1804 Message: 1817

Do you have a local ham club that can come out and check your neighborhood. The FCC is more likely to listen to them.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Jim Strohm
To: glowbugradio@yahoogroups.com
Sent: Thursday, March 06, 2014 10:35 AM
Subject: Re: [glowbugradio] Really terrible noise problem

Do you have self-reading utility meters in your neighborhood?

BPL?

Who are your local cable and electrical providers? Some of them are notorious violators.

Local AM broadcaster? Neighbor with a diathermy machine?

The FCC is your friend on this -- you may want to contact your local field office if your exploratory signal chasing comes up empty-handed.

Good luck and 73

Jim N6OTQ

On Thu, Mar 6, 2014 at 12:20 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

OK, Gang. I am asking the collective wisdom for some advice (as usual). For the past several months, I have been plagued with a very high noise level, which is most obvious on 80 meters, but also effects the higher bands.

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Turning the rigs RF preamp off reduces the indicated noise level by about 10 DB. Turning the Noise Blanker on, and adjusting for minimum noise level reduces that another few db. However, the NB must be turned up so high that it introduces really severe distortion in the recovered audio.

In order to determine whether or not the noise was coming from something within our own home, this morning, I connected the FT-890 to a car battery, then switched off the main breaker to the entire house, leaving it off for several minutes. (Everyone else was still asleep.)

Result: no change. Still 20 db over S-9 on 80 meters.

Conclusion: noise is not "local" in that it isn't within our own property.

I have also discovered yet another "interesting" noise: some sort of very unstable RF carrier that periodically sweeps the entire length of the 80 meter (at least) band at +30 DB over S-9, beginning low and sweeping high.

Have not yet figured that one out.

I am heading out today with a portable receiver with loopstick. The noise is SO LOUD, that at this point, all I want to do is to try to determine direction. Therefore, an AM radio and a map will suffice.

Anyone have any other ideas?

Kenneth G. Gordon W7EKB

1818. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 22:59:26 UTC
From: Kenneth G. Gordon
Topic: 1804 Message: 1818

On 6 Mar 2014 at 14:49, Bob Macklin wrote:

> Do you have a local ham club that can come out and check your neighborhood?

No. None that have that sort of competence. None that have any sort of RFI Committee either for that matter.

> The
> FCC is more likely to listen to them.

Ah! Well, that can't be helped here, then. Thanks, Mac.

Ken W7EKB

1819. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 23:43:48 UTC
From: Charlie , W5COV
Topic: 1804 Message: 1819

Coming from the utility industry , many power companies have good modern noise finding equipment and if you are lucky it may even be hams working for them, that do the noise finding for them. MOST, not all are very customer friendly at helping locate noise problems.

Myself and now SK , W0ILJ , did it for the local municipal power company when he and I both worked for the city. Working for the utility, we had the benefit of being able to go to neighbors homes and even pull the meter to find out if it was in that home, if we had tracked it to at least being present there too, even if it didn't bother that neighbors activities.(Door bell transformers, fish tank heaters, defective electrical appliance, things one would never imagine.) Occasional electric fence even in the city limits to protect some strange things and completely illegal under the ordinances.

We also had the benefit of being able to have a line crew come out if we believed it to be a tie wire fuss, carbon tracked insulator, loose or dirty hardware , staples backed out of poles holding the ground wire, just enough to set up an annoying mixer or noise source.

Charlie, W5COV

On 3/6/2014 4:59 PM, Kenneth G. Gordon wrote:
>
> On 6 Mar 2014 at 14:49, Bob Macklin wrote:
>
> > Do you have a local ham club that can come out and check your
> neighborhood?
>
> No. None that have that sort of competence. None that have any sort of
> RFI
> Committee either for that matter.
>
> > The
> > FCC is more likely to listen to them.
>
> Ah! Well, that can't be helped here, then. Thanks, Mac.
>
> Ken W7EKB
>
>

1820. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-06 23:46:53 UTC
From: Bob Macklin
Topic: 1804 Message: 1820

Ken.

In this area(S. Seattle) 160M and 80M is useless. We have a S9+ noise on both bands. 40M is OK as are those above 40M.

There are a lot of sodium vapor arc lamps in use here.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: Glowbugradio@yahoogroups.com
Sent: Thursday, March 06, 2014 2:59 PM
Subject: Re: [glowbugradio] Really terrible noise problem

On 6 Mar 2014 at 14:49, Bob Macklin wrote:

> Do you have a local ham club that can come out and check your neighborhood?

No. None that have that sort of competence. None that have any sort of RFI
Committee either for that matter.

> The
> FCC is more likely to listen to them.

Ah! Well, that can't be helped here, then. Thanks, Mac.

Ken W7EKB

1821. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-07 01:07:39 UTC
From: Kenneth G. Gordon
Topic: 1804 Message: 1821

On 6 Mar 2014 at 15:46, Bob Macklin wrote:

> Ken.
>
> In this area(S. Seattle) 160M and 80M is useless. We have a S9+ noise on both bands. 40M is OK as are those above 40M.
>
> There are a lot of sodium vapor arc lamps in use here.

There is one of those damned things just across the narrow street in
front of our home....and it isn't working.

I wonder if the "starter" in it is arcing....again?

Ken W7EKB

1822. Noise level by band

Yahoo group: glowbugradio
Date: 2014-03-07 05:15:52 UTC
From: Kenneth G. Gordon
Topic: 1822 Message: 1822

OK. Here are my readings from the S-meter on the FT-890, with the antenna system tuned to resonance and the rig tuned up on all the bands which I have listed.

80 meters RF amp on - S-9+20db
RF amp off - S-9+10db

40 RF on - S-9+10DB
RF off - S-8 to S-9

20 RF on - S-8 to S-9 (peaking S-9+10db)
RF off - S-4 to S-5

15 RF on - S-5
RF off - S-1

10 RF on - S-2
RF off - S-1

On all bands I can hear a constant "crackling".

Ken W7EKB

1823. RE: [glowbugradio] Noise level by band

Yahoo group: glowbugradio
Date: 2014-03-07 08:45:56 UTC
From: N4ZED
Topic: 1822 Message: 1823
Attachments: 2 described; binary payloads are missing from this source WARC

I had/have the same problem. I finally got out with the portable radio (after doing the power off test). I drove around the area and found 3 transformers that were making a lot of noise. One of them was the one that feeds my home. I called the local EMC and finally got them out. After about 3 weeks I still have some noise but not the constant S9 + noise.

Ken

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Friday, March 07, 2014 12:16 AM
To: Glowbugradio@yahoogroups.com
Subject: [glowbugradio] Noise level by band

OK. Here are my readings from the S-meter on the FT-890, with the antenna system tuned to resonance and the rig tuned up on all the bands which I have listed.

80 meters RF amp on - S-9+20db
RF amp off - S-9+10db

40 RF on - S-9+10DB
RF off - S-8 to S-9

20 RF on - S-8 to S-9 (peaking S-9+10db)
RF off - S-4 to S-5

15 RF on - S-5
RF off - S-1

10 RF on - S-2
RF off - S-1

On all bands I can hear a constant "crackling".

Ken W7EKB

1824. Re: [glowbugradio] Noise level by band

Yahoo group: glowbugradio
Date: 2014-03-07 16:39:58 UTC
From: Kenneth G. Gordon
Topic: 1822 Message: 1824

On 7 Mar 2014 at 3:45, N4ZED wrote:

> I had/have the same problem. I finally got out with the portable radio
> (after doing the power off test). I drove around the area and found 3
> transformers that were making a lot of noise. One of them was the one that
> feeds my home. I called the local EMC and finally got them out. After about 3
> weeks I still have some noise but not the constant S9 + noise.

Thanks, Ken.

I was just given the name of a ham who works for and with the local power company to find and eliminate noise. I am contacting him today.

I'm also going to do some driving around today.

Keeping my fingers crossed....

Ken W7EKB

1825. Re: [glowbugradio] Really terrible noise problem

Yahoo group: glowbugradio
Date: 2014-03-09 15:40:04 UTC
From: Charlie , W5COV
Topic: 1804 Message: 1825

Mac I was there (Claremore) both days and ran into Bob Heil briefly out in the flea market area. My sore aching body is going to have to rest up today. Wish I had taken some pictures Friday afternoon when I was setting up. Strange mix of equipment and a very large void of many common boat anchor rigs that have normally had at least one or two of at every hamfest that I have attended since the mid 60's.

Didn't find any of the glowbug rigs I have on my wish list, which in years past, were fairly common and on the low end of the price scale, not collectors items and didn't even require working ones.

Sadly that is one of 2 to 3 hamfests a year that I can get to these days.

I can make Joplin, MO. , in August and sometimes OKC. Sure was looking at call signs, trying to meet you in person there !!

I DID have a GREAT time though since many people I hadn't seen in person for many years were there and I had some GREAT visiting time !!! Funny thing they were all so much older and I am POSITIVE, I haven't changed one bit in the past 50 years !! <grin>

Best 73, Charlie, W5COV
On 3/6/2014 2:58 PM, D C _Mac_ Macdonald wrote:
>
> I don't know if Tim will be going northeast with us here in OKC up the
> Turner and Will Rogers Turnpikes tomorrow to the Green Country Hamfest
> in Claremore. I think Bob Heil will be doing one of his seminars there.
>
> Tim's son is attending University of Oklahoma, just 20 miles south
> down the road from me.
>
> * * * * * * * * * * *
> * 73 - Mac, K2GKK/5 *
> * (Since 30 Nov 53) *
> * k2gkk hotmail com *
> * Oklahoma City, OK *
> * USAF & FAA (Ret.) *
> * * * * * * * * * * *
>
>
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1826. Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-09 22:27:54 UTC
From: Charlie , W5COV
Topic: 1826 Message: 1826

Friday & Saturday, I attended the Claremore, OK. hamfest, and picked me up one of these little transmitters,(Mars Thunderbird Mobile, (80/40 meters), which is later going to be installed in my 1959 Ford that I am restoring/building.

The insides look factory brand new on the radio , but the front panel is going to need some moderate or a little more than moderate restoration. Also any information on "off the shelf", if available, spray paint of the correct colors, for the Mars, would also be very much appreciated.

I haven't located a schematic for it, so I can not test the rig, and also decide on a mobile power supply for it.

Also this was a little before the time I could drive, since I was licensed in 1965 at age 12.

What converter or receiver would have been paired with this ? I am thinking it was likely paired with a converter, since it doesn't run CW.

I am still looking for an Elmac A54 cheap, basket case , type , to use in my planned compact home station. Trying to get things not so heavy or so large. Most of my operation is CW and QRP anyway , but I will still have both a home and mobile AM station when I am done.

Thanks in advance.

Best 73,

Charlie, W5COV

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1827. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-09 22:57:28 UTC
From: Kenneth G. Gordon
Topic: 1826 Message: 1827

On 9 Mar 2014 at 17:27, Charlie , W5COV wrote:

> I haven't located a schematic for it, so I can not test the rig, and
> also decide on a mobile power supply for it.

This site has some info on it:

http://www.wb6fzh.net/marsamtx.htm

however, his link to the schematic draws a 404 error.

Ken W7EKB

1828. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-09 23:06:42 UTC
From: Kenneth G. Gordon
Topic: 1826 Message: 1828
Attachments: 1 described; binary payloads are missing from this source WARC

Charlie:

I found a very poor schematic for this transmitter. I worked on it for a bit with PhotoShop, but not very intensely. I did clean it up a bit.

I think you can get enough info from it to make sense of it.

I have attached it here for you. Of course it won't make it through the reflector, but you will get it.

Ken W7EKB

1829. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted) [1 Attachment]

Yahoo group: glowbugradio
Date: 2014-03-09 23:28:41 UTC
From: Charlie , W5COV
Topic: 1829 Message: 1829

Thank you very much Ken. I have it now. Between it and the great condition of the electronics inside, this will let me clean the schematic up and hopefully make it useful for anyone else that might need it in the future.

I'll add it to a web page when I make a better drawing of it, and clearly label the parts.

I REALLY appreciate it.

Great group for information and help.

Charlie, W5COV

On 3/9/2014 6:06 PM, Kenneth G. Gordon wrote:
> [Attachment(s) <#TopText> from Kenneth G. Gordon included below]
>
> Charlie:
>
> I found a very poor schematic for this transmitter. I worked on it for
> a bit
> with PhotoShop, but not very intensely. I did clean it up a bit.
>
> I think you can get enough info from it to make sense of it.
>
> I have attached it here for you. Of course it won't make it through the
> reflector, but you will get it.
>
> Ken W7EKB
>
>
>
>
> The following section of this message contains a file attachment
> prepared for transmission using the Internet MIME message format.
> If you are using Pegasus Mail, or any other MIME-compliant system,
> you should be able to save it or view it from within your mailer.
> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: MarsTransmitter.jpg
> Date: 9 Mar 2014, 16:03
> Size: 139311 bytes.
> Type: JPEG-image

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1830. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-09 23:38:17 UTC
From: Jim Isbell, W5JAI
Topic: 1826 Message: 1830

I dont have any paperwork. But I do have a Mars 75/40 (not 80 on mine)
and if you find anything I would love to have a copy!!!

I am using a Gonset Tri Band AM converter so as to stay period with all the
equipment. May use in in my '56 Continental eventually but for now, its an
emergency station that will work off my wind turbine.after the Hurricane is
past.

Jim Isbell
TheFreeRepublicAt.WordPress.com
www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
www.youtube.com/watch?v=dyjJ3Fw0nSQ
www.facebook.com/profile.php?id=100000010609777

Beware the man who only carries one gun. HE PROBABLY KNOWS HOW TO USE IT!!!

On Sun, Mar 9, 2014 at 5:27 PM, Charlie , W5COV <cvest@...> wrote:

>
>
>
> Friday & Saturday, I attended the Claremore, OK. hamfest, and picked me
> up one of these little transmitters,(Mars Thunderbird Mobile, (80/40
> meters), which is later going to be installed in my 1959 Ford that I am
> restoring/building.
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> The insides look factory brand new on the radio , but the front panel is
> going to need some moderate or a little more than moderate restoration.
> Also any information on "off the shelf", if available, spray paint of
> the correct colors, for the Mars, would also be very much appreciated.
>
> I haven't located a schematic for it, so I can not test the rig, and
> also decide on a mobile power supply for it.
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> Also this was a little before the time I could drive, since I was
> licensed in 1965 at age 12.
>
> What converter or receiver would have been paired with this ? I am
> thinking it was likely paired with a converter, since it doesn't run CW.
>
> I am still looking for an Elmac A54 cheap, basket case , type , to use
> in my planned compact home station. Trying to get things not so heavy or
> so large. Most of my operation is CW and QRP anyway , but I will still
> have both a home and mobile AM station when I am done.
>
> Thanks in advance.

>
> Best 73,
>
> Charlie, W5COV
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>

1831. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-09 23:56:14 UTC
From: Charlie , W5COV
Topic: 1826 Message: 1831

Hi Jim,

You are of course correct on 75/40 , instead of 80/40 .

Thanks to Ken, we now have a rough schematic on it .

When I put this on the bench, to further evaluate , probably tomorrow, I will then draw a new schematic of it and label all of the parts based on what is actually in my transmitter and what is listed on the schematic.

I want to remain period correct also, and that particular converter crossed my mind, but I didn't know for sure if perhaps a receive converter had also been built by the same company. Interesting that it is an early Japanese radio anyway.

What are you using for an actual power supply ? I don't know I want to go the dynamotor route, but that is always one option. I still have plenty of time to make the power supply decision before it goes in the car, and I will post my diagram and any other notes plus anything I find doing the restoration to a web page somewhere.That information will then be available to those of us with them or anyone that might want to build such a rig. I will power it up on the bench with one of my test supplies that I keep handy just for things like this.

I'll add anything else, ads, reviews,etc., to the information.

Charlie, W5COV

On 3/9/2014 6:38 PM, Jim Isbell, W5JAI wrote:
> I dont have any paperwork. But I do have a Mars 75/40 (not 80 on
> mine) and if you find anything I would love to have a copy!!!
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> I am using a Gonset Tri Band AM converter so as to stay period with
> all the equipment. May use in in my '56 Continental eventually but
> for now, its an emergency station that will work off my wind
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> Jim Isbell
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> Charlie, W5COV
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1832. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-10 00:35:50 UTC
From: Jim Isbell, W5JAI
Topic: 1826 Message: 1832

I will be looking forward to your research.

I originally bought this to go into my 2000 Honda hybrid which has a 12v
battery AND a 160V battery so I dont need no steenkin powrer supplies...LOL

But if it goes in the Continental I will use a dynamotor as I have a good
supply of them.

I dont know of any power supply built for the Mars, but there is a Mars
phone patch made for it. I had one coming about a year ago but the
source/owner disappeared.

Jim Isbell
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www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
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www.facebook.com/profile.php?id=100000010609777

Beware the man who only carries one gun. HE PROBABLY KNOWS HOW TO USE IT!!!

On Sun, Mar 9, 2014 at 6:56 PM, Charlie , W5COV <cvest@...> wrote:

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> Hi Jim,
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> You are of course correct on 75/40 , instead of 80/40 .
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> Thanks to Ken, we now have a rough schematic on it .
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> When I put this on the bench, to further evaluate , probably tomorrow, I
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> I want to remain period correct also, and that particular converter
> crossed my mind, but I didn't know for sure if perhaps a receive converter
> had also been built by the same company. Interesting that it is an early
> Japanese radio anyway.
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> handy just for things like this.

>
> I'll add anything else, ads, reviews,etc., to the information.
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> Charlie, W5COV
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> On 3/9/2014 6:38 PM, Jim Isbell, W5JAI wrote:
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> I dont have any paperwork. But I do have a Mars 75/40 (not 80 on
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> I am using a Gonset Tri Band AM converter so as to stay period with all
> the equipment. May use in in my '56 Continental eventually but for now,
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>> so large. Most of my operation is CW and QRP anyway , but I will still
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>> Thanks in advance.
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>> Best 73,
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>> Charlie, W5COV
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Antivirus<http://www.avast.com/>protection is active.
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1833. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-10 01:55:06 UTC
From: Carl
Topic: 1826 Message: 1833

I cant imagine running 6W into a mobile whip on 75/40 AM these days, especially with a carbon mike and all the RFI from all the vehicles around your old Ford coming right down the coax.

Why not a A-54, AF-67, Pierson, Morrow, or any of the many 30-50W output rigs that go for little money?

There are a fair number of DC supplies around and Id also suggest a high efficiency SS supply since that Ford likely still has its generator. I picked up a $50 DC supply for a Hallicrafters SR-150 that has correct voltages for my AF-67 and PMR-7 receiver.

It gets occassional use in my 98 Dodge 1T van on 10-15-20M only.

Carl
KM1H

----- Original Message -----
From: Charlie , W5COV
To: glowbugradio@yahoogroups.com
Sent: Sunday, March 09, 2014 7:56 PM
Subject: Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Hi Jim,

You are of course correct on 75/40 , instead of 80/40 .

Thanks to Ken, we now have a rough schematic on it .

When I put this on the bench, to further evaluate , probably tomorrow, I will then draw a new schematic of it and label all of the parts based on what is actually in my transmitter and what is listed on the schematic.

I want to remain period correct also, and that particular converter crossed my mind, but I didn't know for sure if perhaps a receive converter had also been built by the same company. Interesting that it is an early Japanese radio anyway.

What are you using for an actual power supply ? I don't know I want to go the dynamotor route, but that is always one option. I still have plenty of time to make the power supply decision before it goes in the car, and I will post my diagram and any other notes plus anything I find doing the restoration to a web page somewhere.That information will then be available to those of us with them or anyone that might want to build such a rig. I will power it up on the bench with one of my test supplies that I keep handy just for things like this.

I'll add anything else, ads, reviews,etc., to the information.

Charlie, W5COV

On 3/9/2014 6:38 PM, Jim Isbell, W5JAI wrote:

I dont have any paperwork. But I do have a Mars 75/40 (not 80 on mine) and if you find anything I would love to have a copy!!!

I am using a Gonset Tri Band AM converter so as to stay period with all the equipment. May use in in my '56 Continental eventually but for now, its an emergency station that will work off my wind turbine.after the Hurricane is past.

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www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
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Beware the man who only carries one gun. HE PROBABLY KNOWS HOW TO USE IT!!!

On Sun, Mar 9, 2014 at 5:27 PM, Charlie , W5COV <cvest@...> wrote:

Friday & Saturday, I attended the Claremore, OK. hamfest, and picked me up one of these little transmitters,(Mars Thunderbird Mobile, (80/40 meters), which is later going to be installed in my 1959 Ford that I am restoring/building.

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I am still looking for an Elmac A54 cheap, basket case , type , to use in my planned compact home station. Trying to get things not so heavy or so large. Most of my operation is CW and QRP anyway , but I will still have both a home and mobile AM station when I am done.

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Best 73,

Charlie, W5COV

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Version: 2014.0.4335 / Virus Database: 3722/7172 - Release Date: 03/09/14

1834. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-10 02:12:31 UTC
From: Charlie , W5COV
Topic: 1826 Message: 1834

Hi Jim,

I found a review of it in March 1960 QST , on pages 41-42 .Makes it
pretty darned period correct , for the car I think :)

MANY thanks to Bob, Ken , and Ken !!

Charlie, W5COV

On 3/9/2014 7:35 PM, Jim Isbell, W5JAI wrote:
> I will be looking forward to your research.
>
> I originally bought this to go into my 2000 Honda hybrid which has a
> 12v battery AND a 160V battery so I dont need no steenkin powrer
> supplies...LOL
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> But if it goes in the Continental I will use a dynamotor as I have a
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> I dont know of any power supply built for the Mars, but there is a
> Mars phone patch made for it. I had one coming about a year ago but
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1835. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-10 02:10:23 UTC
From: Kenneth G. Gordon
Topic: 1829 Message: 1835

On 9 Mar 2014 at 18:28, Charlie , W5COV wrote:

> I'll add it to a web page when I make a better drawing of it, and
> clearly label the parts.

Good man, Charlie. I suspect all of us would love to see that.

From the info I have so far found on the Mars "Thunderbird", there were no powersupplies for it built by Mars.

The users at the time used war-surplus dynamotors,(the most common one was probably the PE-103), or vibra-packs or home-brew transistor packs.

As far as what receiver to use with it, on 75 meters at least, one could use a BC-454. I would prefer to use a Gonset converter myself, like the Super 6 or Super 12.

Ken W7EKB

1836. Re: [glowbugradio] Mars Thunderbird Mobile

Yahoo group: glowbugradio
Date: 2014-03-10 02:42:05 UTC
From: Kenneth G. Gordon
Topic: 1826 Message: 1836

Actually, I have always preferred the Elmac AF-67. One of my Elmer's had one back in the 1960 time frame, installled in a 1956 Chevy.

He and I went on a road-trip somewhere over a period of a couple of days, and it worked very well.

I have one now.

I also run it on a dynamotor.

Ken W7EKB

1837. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-10 02:46:42 UTC
From: Robert Nickels
Topic: 1829 Message: 1837

Not sure if my previous post made it to the list, so will do it again:

I have a good copy of the schematic of the Mars Thunderbird and put it up here for anyone who'd like it: http://i.imgur.com/Z5S9R4Y.jpg

Congrats Charilie, it's a really nifty little transmitter and works well. I happened to have the schematic out just the other day, since there was an article in Electric Radio about it, and the author inconveniently left out the carbon mic transformer! Not that I've ever done anything like that

I've had a lot of fun running low-power AM from home using a good antenna. A voltage doubler using one of the $13 isolation transformers will make enough B+ to get on the air, and the carbon mic does the job of a DSP in tailoring the audio to punch through the noise.

73, Bob W9RAN

1838. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-10 03:12:42 UTC
From: Charlie , W5COV
Topic: 1826 Message: 1838

Oh of course I have never done anything like that either Bob. <grin>

It will be home on the bench for quite a while since the brutal winter here has prevented any work on the car.
I have an excuse to use my T-17 now too :)

My good old rigs are just too heavy for me to move around any longer and I have to depend on when one of my sons are coming down and they can't stay around if I have any major repairs to do and I am a very active listener on the 600/630 meter band and hope to one day get a part 5 application filed so I can use some of the gear that I already have built for that band.

So going to a more compact station , since I really never run "high power" CW or AM the Viking is a bit much to keep on the bench paired with the SP-600. It will also give me more room for 630 meter gear.

Ken, I have an AF-67 and PMR-7 located here locally, but it is from an SK estate and the daughter has no desire to disturb anything at all about how her parents left the home when they both finally passed away. She is 62 or 63 herself. I go by and visit her a couple of times a year, but still no luck at getting her to sell anything. He had bought these as a project himself , quite a few years before he passed away.

Maybe one day she will be in the mood to start disposing of some of the parts and projects rigs that he left.

I just really like the looks and the size of the Mars Thunderbird and it was in a box under the table, so I certainly am not going to lose any money on it, even if it was just good for parts, but I want to do a full restoration on the little rig and play with it. Hey it will keep me off of the streets at night :)

Charlie, W5COV

On 3/9/2014 9:46 PM, Robert Nickels wrote:
>
> Not sure if my previous post made it to the list, so will do it again:
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> I have a good copy of the schematic of the Mars Thunderbird and put it
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> well. I happened to have the schematic out just the other day, since
> there was an article in Electric Radio about it, and the author
> inconveniently left out the carbon mic transformer! Not that I've ever
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> I've had a lot of fun running low-power AM from home using a good
> antenna. A voltage doubler using one of the $13 isolation transformers
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> of a DSP in tailoring the audio to punch through the noise.
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> 73, Bob W9RAN
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>

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1839. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-10 22:31:07 UTC
From: John Ruccolo
Topic: 1826 Message: 1839

The Thunderbird is a cool little rig! It's an early Japanese import -- a sign of things to come.

73,

John, KC2UAK

From: "Charlie , W5COV" <cvest@...>
To: glowbugradio@yahoogroups.com
Sent: Sunday, March 9, 2014 11:12 PM
Subject: Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Oh of course I have never done anything like that either Bob. <grin>

It will be home on the bench for quite a while since the brutal winter here has prevented any work on the car.
I have an excuse to use my T-17 now too :)

My good old rigs are just too heavy for me to move around any longer and I have to depend on when one of my sons are coming down and they can't stay around if I have any major repairs to do and I am a very active listener on the 600/630 meter band and hope to one day get a part 5 application filed so I can use some of the gear that I already have built for that band.

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Maybe one day she will be in the mood to start disposing of some of the parts and projects rigs that he left.

I just really like the looks and the size of the Mars Thunderbird and it was in a box under the table, so I certainly am not going to lose any money on it, even if it was just good for parts, but I want to do a full restoration on the little rig and play with it. Hey it will keep me off of the streets at night :)

Charlie, W5COV

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>done anything like that
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>I've had a lot of fun running low-power AM from home using a good
>antenna. A voltage doubler using one of the $13 isolation transformers
>will make enough B+ to get on the air, and the carbon mic does the job
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>73, Bob W9RAN
>

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1840. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-10 22:56:33 UTC
From: Charlie , W5COV
Topic: 1826 Message: 1840

Yes John , I have seen a few of them over the years that I have been a ham. However I didn't know they were an early Japanese import , until I began to research this one. March 1960 QST has a review on it. Sure wish that they had also manufactured a matching receiver or converter. I will likely try my hand at building a converter to match it.

What the heck for $5 and being in excellent condition for all except the front panel, I have already got my monies worth out of it, but am looking forward to actually putting it in the car to match mobile equipment from the same year as the car for the ham that HAD to have a mobile rig :) The car and the ham equipment are not being put together for daily use as the family car from 1959, but to look and be period correct in top restored condition.

Now I wonder what happened to the company, and what else they might have manufactured. Someone last night mentioned at least one accessory for it. The review mentions the voltage required to operate it, but doesn't mention anything about a power supply being available, but I had planned on building my own anyway.

The history of some of the companies like this would make for a good book and for some good reading.

Charlie, W5COV

On 3/10/2014 5:31 PM, John Ruccolo wrote:
> The Thunderbird is a cool little rig! It's an early Japanese import --
> a sign of things to come.
> 73,
> John, KC2UAK
>
> *From:* "Charlie , W5COV" <cvest@...>
> *To:* glowbugradio@yahoogroups.com
> *Sent:* Sunday, March 9, 2014 11:12 PM
> *Subject:* Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)
>
> Oh of course I have never done anything like that either Bob. <grin>
>
> It will be home on the bench for quite a while since the brutal winter
> here has prevented any work on the car.
> I have an excuse to use my T-17 now too :)
>
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> and I have to depend on when one of my sons are coming down and they
> can't stay around if I have any major repairs to do and I am a very
> active listener on the 600/630 meter band and hope to one day get a

> part 5 application filed so I can use some of the gear that I already
> have built for that band.
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> So going to a more compact station , since I really never run "high
> power" CW or AM the Viking is a bit much to keep on the bench paired
> with the SP-600. It will also give me more room for 630 meter gear.
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> away. She is 62 or 63 herself. I go by and visit her a couple of times
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> bought these as a project himself , quite a few years before he passed
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> Maybe one day she will be in the mood to start disposing of some of
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> keep me off of the streets at night :)
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> Charlie, W5COV
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>> 73, Bob W9RAN
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http://www.avast.com

1841. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-11 00:03:15 UTC
From: D C _Mac_ Macdonald
Topic: 1826 Message: 1841

Hi, Charlie.

I have several mobile converters that I'm unlikely to ever use before I go SK. If you have interest, I'll do an inventory. I know that there are 2 Morrow 5BR-1 and at least 1 3BR-1. I also have Morrow TX and RX. Also a couple of Gonset Commander XMTRs.

Mac, K2GKK in OKC

Sent from my iPad

> On Mar 10, 2014, at 17:56, "Charlie , W5COV" <cvest@cox.net> wrote:
>
> Yes John , I have seen a few of them over the years that I have been a ham. However I didn't know they were an early Japanese import , until I began to research this one. March 1960 QST has a review on it. Sure wish that they had also manufactured a matching receiver or converter. I will likely try my hand at building a converter to match it.
>
> What the heck for $5 and being in excellent condition for all except the front panel, I have already got my monies worth out of it, but am looking forward to actually putting it in the car to match mobile equipment from the same year as the car for the ham that HAD to have a mobile rig :) The car and the ham equipment are not being put together for daily use as the family car from 1959, but to look and be period correct in top restored condition.
>
> Now I wonder what happened to the company, and what else they might have manufactured. Someone last night mentioned at least one accessory for it. The review mentions the voltage required to operate it, but doesn't mention anything about a power supply being available, but I had planned on building my own anyway.
>
> The history of some of the companies like this would make for a good book and for some good reading.
>
> Charlie, W5COV
>
>> On 3/10/2014 5:31 PM, John Ruccolo wrote:
>>
>> The Thunderbird is a cool little rig! It's an early Japanese import -- a sign of things to come.
>>
>> 73,
>>
>> John, KC2UAK
>>
>> From: "Charlie , W5COV" <cvest@cox.net>
>> To: glowbugradio@yahoogroups.com
>> Sent: Sunday, March 9, 2014 11:12 PM
>> Subject: Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

>>
>>
>> Oh of course I have never done anything like that either Bob. <grin>
>>
>> It will be home on the bench for quite a while since the brutal winter here has prevented any work on the car.
>> I have an excuse to use my T-17 now too :)
>>
>> My good old rigs are just too heavy for me to move around any longer and I have to depend on when one of my sons are coming down and they can't stay around if I have any major repairs to do and I am a very active listener on the 600/630 meter band and hope to one day get a part 5 application filed so I can use some of the gear that I already have built for that band.
>>
>> So going to a more compact station , since I really never run "high power" CW or AM the Viking is a bit much to keep on the bench paired with the SP-600. It will also give me more room for 630 meter gear.
>>
>> Ken, I have an AF-67 and PMR-7 located here locally, but it is from an SK estate and the daughter has no desire to disturb anything at all about how her parents left the home when they both finally passed away. She is 62 or 63 herself. I go by and visit her a couple of times a year, but still no luck at getting her to sell anything. He had bought these as a project himself , quite a few years before he passed away.
>>
>> Maybe one day she will be in the mood to start disposing of some of the parts and projects rigs that he left.
>>
>> I just really like the looks and the size of the Mars Thunderbird and it was in a box under the table, so I certainly am not going to lose any money on it, even if it was just good for parts, but I want to do a full restoration on the little rig and play with it. Hey it will keep me off of the streets at night :)
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>> Charlie, W5COV
>>
>>
>>> On 3/9/2014 9:46 PM, Robert Nickels wrote:
>>>
>>> Not sure if my previous post made it to the list, so will do it again:
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>>> up here for anyone who'd like it: http://i.imgur.com/Z5S9R4Y.jpg
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>>> Congrats Charilie, it's a really nifty little transmitter and works
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>>> I've had a lot of fun running low-power AM from home using a good
>>> antenna. A voltage doubler using one of the $13 isolation transformers

>>> will make enough B+ to get on the air, and the carbon mic does the job
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>>> 73, Bob W9RAN
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1842. Noise.

Yahoo group: glowbugradio
Date: 2014-03-11 03:25:32 UTC
From: Kenneth G. Gordon
Topic: 1842 Message: 1842

Well, it has gotten worse: now it is a steady S-9 on 20 meters too.

There is an expert from the power company, Avista, coming down here from Coeur d'Alene Idaho tomorrow to find it.

Every great once in a while, the noise disppears for a while, then is right back.

Keeping my fingers crossed.

Ken W7EKB

1843. Re: [glowbugradio] Noise.

Yahoo group: glowbugradio
Date: 2014-03-11 04:46:39 UTC
From: Charlie , W5COV
Topic: 1842 Message: 1843

That is great news Ken. Perhaps he will even be a ham too.

With the ultrasonic probes and better receivers just for noise detection
, special scopes to make sure you are tracking the right signal(s) ,
have made a huge difference in effectively tracking noise and getting
the source repaired.

Likely you have more than one source, since many times a dominant noise
will mask sometimes a whole host of other smaller noises that when all
added together or mixing, make a hams receiving life kind of miserable.

Hopefully you get a really good one that will take the time to find them
all and follow up to make certain that everything is repaired and in a
timely manner.

It will be a whole new world for you to enjoy your equipment once they
get the noise cleaned up.

We'll all be waiting to hear what they find.

Charlie , W5COV

On 3/10/2014 10:25 PM, Kenneth G. Gordon wrote:
>
> Well, it has gotten worse: now it is a steady S-9 on 20 meters too.
>
> There is an expert from the power company, Avista, coming down here from
> Coeur d'Alene Idaho tomorrow to find it.
>
> Every great once in a while, the noise disppears for a while, then is
> right back.
>
> Keeping my fingers crossed.
>
> Ken W7EKB
>
>

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http://www.avast.com

1844. RE: [glowbugradio] Noise.

Yahoo group: glowbugradio
Date: 2014-03-11 07:48:46 UTC
From: Ken Durand
Topic: 1842 Message: 1844
Attachments: 2 described; binary payloads are missing from this source WARC

Good luck Ken.

Ken

N4zed

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Monday, March 10, 2014 11:26 PM
To: Glowbugradio@yahoogroups.com
Subject: [glowbugradio] Noise.

Well, it has gotten worse: now it is a steady S-9 on 20 meters too.

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Every great once in a while, the noise disppears for a while, then is right back.

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Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com <http://www.avg.com>
Version: 2014.0.4335 / Virus Database: 3722/7177 - Release Date: 03/10/14

No virus found in this message.
Checked by AVG - www.avg.com <http://www.avg.com>
Version: 2014.0.4335 / Virus Database: 3722/7177 - Release Date: 03/10/14

1845. Re: [glowbugradio] Noise.

Yahoo group: glowbugradio
Date: 2014-03-11 15:48:55 UTC
From: Kenneth G. Gordon
Topic: 1842 Message: 1845

On 11 Mar 2014 at 3:48, Ken Durand wrote:

>
>
> Good luck Ken.
> Ken
> N4zed

Thanks, Ken.

Ken W7EKB

1846. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-11 17:39:16 UTC
From: John Ruccolo
Topic: 1826 Message: 1846

Charlie,

5$! Now that's the kind of hamfest story I like to hear!

Years ago, I scanned and emailed an article (from CQ, I think) about the Mars Thunderbird. If I can find the mag or the scan, I'll send it to you.

Reminds me of a little homebrew mobile xmitter I bought a few years ago (you did better than me, this cost $10). It's a 2E26 modulated by a pair of 6AQ5's. Very compact -- no power supply, like the Mars. Still in the "when I get around to it" pile.

73,

John

From: "Charlie , W5COV" <cvest@...>
To: glowbugradio@yahoogroups.com
Sent: Monday, March 10, 2014 6:56 PM
Subject: Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yes John , I have seen a few of them over the years that I have been a ham. However I didn't know they were an early Japanese import , until I began to research this one. March 1960 QST has a review on it. Sure wish that they had also manufactured a matching receiver or converter. I will likely try my hand at building a converter to match it.

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active.
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1847. Noise - source tentatively determined

Yahoo group: glowbugradio
Date: 2014-03-11 18:57:55 UTC
From: Kenneth G. Gordon
Topic: 1847 Message: 1847

So far, it is looking as though all the noise I am experiencing is coming from our next door neighbor's new all electronic furnace.

The power lines were absolutely silent.

I have contacted the installers.

Ken W7EKB

1848. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-11 19:11:05 UTC
From: Jim Isbell, W5JAI
Topic: 1826 Message: 1848

Mars also made an SWR meter, one of which I have. It is made to look like
and compliments the Thunderbird.

Jim Isbell
TheFreeRepublicAt.WordPress.com
www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
www.youtube.com/watch?v=dyjJ3Fw0nSQ
www.facebook.com/profile.php?id=100000010609777

Beware the man who only carries one gun. HE PROBABLY KNOWS HOW TO USE IT!!!

On Tue, Mar 11, 2014 at 12:39 PM, John Ruccolo <jr6v6gt@...> wrote:

>
>
> Charlie,
>
> 5$! Now that's the kind of hamfest story I like to hear!
>
> Years ago, I scanned and emailed an article (from CQ, I think) about the
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> I get around to it" pile.
>
> 73,
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> John
>
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> *To:* glowbugradio@yahoogroups.com
> *Sent:* Monday, March 10, 2014 6:56 PM
> *Subject:* Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)
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> the same year as the car for the ham that HAD to have a mobile rig :) The
> car and the ham equipment are not being put together for daily use as the
> family car from 1959, but to look and be period correct in top restored
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> Now I wonder what happened to the company, and what else they might have
> manufactured. Someone last night mentioned at least one accessory for it.
> The review mentions the voltage required to operate it, but doesn't mention
> anything about a power supply being available, but I had planned on
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> The history of some of the companies like this would make for a good book
> and for some good reading.
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> Charlie, W5COV
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> On 3/10/2014 5:31 PM, John Ruccolo wrote:
>
>
> The Thunderbird is a cool little rig! It's an early Japanese import -- a
> sign of things to come.
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> 73,
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> John, KC2UAK
>
> *From:* "Charlie , W5COV" mailto:cvest@... <cvest@...>
> *To:* glowbugradio@yahoogroups.com
> *Sent:* Sunday, March 9, 2014 11:12 PM
> *Subject:* Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)
>
>
> Oh of course I have never done anything like that either Bob. <grin>
>
> It will be home on the bench for quite a while since the brutal winter
> here has prevented any work on the car.
> I have an excuse to use my T-17 now too :)
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> My good old rigs are just too heavy for me to move around any longer and I
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> around if I have any major repairs to do and I am a very active listener on
> the 600/630 meter band and hope to one day get a part 5 application filed
> so I can use some of the gear that I already have built for that band.
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> So going to a more compact station , since I really never run "high power"
> CW or AM the Viking is a bit much to keep on the bench paired with the
> SP-600. It will also give me more room for 630 meter gear.
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> Ken, I have an AF-67 and PMR-7 located here locally, but it is from an SK
> estate and the daughter has no desire to disturb anything at all about how

> her parents left the home when they both finally passed away. She is 62 or
> 63 herself. I go by and visit her a couple of times a year, but still no
> luck at getting her to sell anything. He had bought these as a project
> himself , quite a few years before he passed away.
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> Maybe one day she will be in the mood to start disposing of some of the
> parts and projects rigs that he left.
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> restoration on the little rig and play with it. Hey it will keep me off of
> the streets at night :)
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> Charlie, W5COV
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> On 3/9/2014 9:46 PM, Robert Nickels wrote:
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> Not sure if my previous post made it to the list, so will do it again:
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> I have a good copy of the schematic of the Mars Thunderbird and put it
> up here for anyone who'd like it: http://i.imgur.com/Z5S9R4Y.jpg
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> Congrats Charilie, it's a really nifty little transmitter and works
> well. I happened to have the schematic out just the other day, since
> there was an article in Electric Radio about it, and the author
> inconveniently left out the carbon mic transformer! Not that I've ever
> done anything like that
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> I've had a lot of fun running low-power AM from home using a good
> antenna. A voltage doubler using one of the $13 isolation transformers
> will make enough B+ to get on the air, and the carbon mic does the job
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1849. Re: [glowbugradio] Noise - source tentatively determined

Yahoo group: glowbugradio
Date: 2014-03-11 20:13:10 UTC
From: Kenneth Grimm
Topic: 1847 Message: 1849

If it is a Trane furnace, there is a lot of information on the web about the noise they make...and how to cure it. Trane wants me to pony up over $300 to cure my own problem! I think I'll do it myself with some shielded wire and a few clamp on ferrites. Good luck with your problem.

73

On Tue, Mar 11, 2014 at 2:57 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

> So far, it is looking as though all the noise I am experiencing is coming
> from our next door neighbor's new all electronic furnace.
>
> The power lines were absolutely silent.
>
> I have contacted the installers.
>
> Ken W7EKB
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
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>

--
Ken - K4XL
BoatAnchor Manual Archive
BAMA - http://bama.edebris.com

"Show me a politician who is poor, and I'll show you a poor politician." - Carlos Hank González

1850. Re: [glowbugradio] Noise - source tentatively determined

Yahoo group: glowbugradio
Date: 2014-03-11 21:04:16 UTC
From: Kenneth G. Gordon
Topic: 1847 Message: 1850

On 11 Mar 2014 at 16:13, Kenneth Grimm wrote:

> If it is a Trane furnace, there is a lot of information on the web about the
> noise they make...and how to cure it. Trane wants me to pony up over $300 to
> cure my own problem! I think I'll do it myself with some shielded wire and a few
> clamp on ferrites. Good luck with your problem.

Thanks. I think this furnace is a Ruud, if what I heard from the installer is correct. I am going to keep checking.

Ken W7EKB

1851. Re: [glowbugradio] Noise - source tentatively determined

Yahoo group: glowbugradio
Date: 2014-03-11 21:32:26 UTC
From: Charlie , W5COV
Topic: 1847 Message: 1851

Really glad that you guys were able to at least locate the source so quickly. Hopefully the company and the neighbor will be cooperative, so that you can more easily resolve the issue. The next set of steps if they don't , are usually not as simple and pretty :)

It was also great that you were able to get a clean bill of health on the power lines too.

MOST utilities are very friendly and go above and beyond what is required of them to take care of any noise issues.

As you just found , more of the noise that I located was actually at a private residence or business, than the noise found on the power system, but I have also found my fair share that belonged to the utility too.

Good luck and please keep us informed.

Charlie, W5COV

On 3/11/2014 4:04 PM, Kenneth G. Gordon wrote:
>
> On 11 Mar 2014 at 16:13, Kenneth Grimm wrote:
>
> > If it is a Trane furnace, there is a lot of information on the web
> about the
> > noise they make...and how to cure it. Trane wants me to pony up over
> $300 to
> > cure my own problem! I think I'll do it myself with some shielded
> wire and a few
> > clamp on ferrites. Good luck with your problem.
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> Thanks. I think this furnace is a Ruud, if what I heard from the
> installer is
> correct. I am going to keep checking.
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> Ken W7EKB
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>

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http://www.avast.com

1852. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-11 21:45:47 UTC
From: Charlie , W5COV
Topic: 1826 Message: 1852

Well John, when this one is all gone through and on the air, then maybe you can dig yours out and finish it up for a good old fashioned QRP AM QSO !!

There have been a few home brewed rigs over the years that are very similar in design to this one.

It would be great to collect any and all information on Mars and especially the Thunderbird plus any other accessories and products that they made.

It actually is one of the best $5 hamfest buys that has ever "followed me home" :) It has really captured my attention. My enjoyment from it is becoming more than can be measured in dollars.

My plans are to try and do a step by step story and pictures of my restoration and experiences , then post on my web page.

Charlie, W5COV

On 3/11/2014 12:39 PM, John Ruccolo wrote:
> Charlie,
> 5$! Now that's the kind of hamfest story I like to hear!
> Years ago, I scanned and emailed an article (from CQ, I think) about
> the Mars Thunderbird. If I can find the mag or the scan, I'll send it
> to you.
> Reminds me of a little homebrew mobile xmitter I bought a few years
> ago (you did better than me, this cost $10). It's a 2E26 modulated by
> a pair of 6AQ5's. Very compact -- no power supply, like the Mars.
> Still in the "when I get around to it" pile.
> 73,
> John
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> *From:* "Charlie , W5COV" <cvest@...>
> *To:* glowbugradio@yahoogroups.com
> *Sent:* Monday, March 10, 2014 6:56 PM
> *Subject:* Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)
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> Yes John , I have seen a few of them over the years that I have been a
> ham. However I didn't know they were an early Japanese import , until
> I began to research this one. March 1960 QST has a review on it. Sure
> wish that they had also manufactured a matching receiver or converter.
> I will likely try my hand at building a converter to match it.
>
> What the heck for $5 and being in excellent condition for all except
> the front panel, I have already got my monies worth out of it, but am

> looking forward to actually putting it in the car to match mobile
> equipment from the same year as the car for the ham that HAD to have a
> mobile rig :) The car and the ham equipment are not being put together
> for daily use as the family car from 1959, but to look and be period
> correct in top restored condition.
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> Now I wonder what happened to the company, and what else they might
> have manufactured. Someone last night mentioned at least one accessory
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>> Oh of course I have never done anything like that either Bob. <grin>
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>> It will be home on the bench for quite a while since the brutal
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>>> will make enough B+ to get on the air, and the carbon mic does the job
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1853. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-11 21:54:28 UTC
From: Charlie , W5COV
Topic: 1826 Message: 1853

Jim, is there any chance to get a photo of it, and do you have any
further information on it ? My goal now is to find as much information,
pictures, ads, reviews, products and even company history to put in a
folder for now. Maybe later a more complete article on everything found
can be posted to my web page.

Charlie, W5COV

On 3/11/2014 2:11 PM, Jim Isbell, W5JAI wrote:
> Mars also made an SWR meter, one of which I have. It is made to look
> like and compliments the Thunderbird.
>
> Jim Isbell
> TheFreeRepublicAt.WordPress.com <http://TheFreeRepublicAt.WordPress.com>
> www.youtube.com/watch?v=BFtoaMM1ChY&feature=related
> <http://www.youtube.com/watch?v=BFtoaMM1ChY&feature=related>
> www.youtube.com/watch?v=dyjJ3Fw0nSQ
> <http://www.youtube.com/watch?v=dyjJ3Fw0nSQ>
> www.facebook.com/profile.php?id=100000010609777
> <http://www.facebook.com/profile.php?id=100000010609777>
>
> Beware the man who only carries one gun. HE PROBABLY KNOWS HOW TO USE
> IT!!!
>
>
>
> On Tue, Mar 11, 2014 at 12:39 PM, John Ruccolo <jr6v6gt@...
> <mailto:jr6v6gt@...>> wrote:
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> Charlie,
> 5$! Now that's the kind of hamfest story I like to hear!
> Years ago, I scanned and emailed an article (from CQ, I think)
> about the Mars Thunderbird. If I can find the mag or the scan,
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> modulated by a pair of 6AQ5's. Very compact -- no power supply,
> like the Mars. Still in the "when I get around to it" pile.
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> John
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> *From:* "Charlie , W5COV" <cvest@... <mailto:cvest@...>>
> *To:* glowbugradio@yahoogroups.com
> <mailto:glowbugradio@yahoogroups.com>
> *Sent:* Monday, March 10, 2014 6:56 PM

> *Subject:* Re: [glowbugradio] Mars Thunderbird Mobile (Schematic
> wanted)
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> Yes John , I have seen a few of them over the years that I have
> been a ham. However I didn't know they were an early Japanese
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> review on it. Sure wish that they had also manufactured a matching
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> What the heck for $5 and being in excellent condition for all
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1854. Re: [glowbugradio] Noise - source NOT tentatively determined :-(

Yahoo group: glowbugradio
Date: 2014-03-11 22:07:55 UTC
From: Kenneth G. Gordon
Topic: 1847 Message: 1854

On 11 Mar 2014 at 16:32, Charlie , W5COV wrote:

> Really glad that you guys were able to at least locate the source so
> quickly.

Well, after testing, it turns out that is NOT the problem. I had their service rep actually turn off the main breaker, and completely unplug the furnace, and no difference.

Sigh....

> Hopefully the company and the neighbor will be cooperative, so
> that you can more easily resolve the issue. The next set of steps if they
> don't , are usually not as simple and pretty :)
>
> It was also great that you were able to get a clean bill of health on the
> power lines too.

Well, now I am not so sure. Perhaps he missed conduction down the power line from some place a long ways away.

Well, I am building a loop antenna to connect to the FT-890 I was loaned, and will mount all that in the car, then drive around to see if I can triangulate this crap.

When I have the receiver on AM, it sounds just exactly like some giant motor running.

> MOST utilities are very friendly and go above and beyond what is required
> of them to take care of any noise issues.

Well, Avista sure did, much to my surprise and pleasure.

> As you just found , more of the noise that I located was actually at a
> private residence or business, than the noise found on the power system,
> but I have also found my fair share that belonged to the utility too.

Yes. Same here.

> Good luck and please keep us informed.

I will. It is a "learning experience" for all of us.

Ken W7EKB

1855. Twin-ax to coax - noise

Yahoo group: glowbugradio
Date: 2014-03-11 22:46:30 UTC
From: Kenneth G. Gordon
Topic: 1855 Message: 1855

Is there an adapter that would join the two twin-ax "hots" to one so that one could feed a standard coax fitting on a receiver, or must one use a balun?

What I want to do is to connect one or the other of my Stoddart loops to the FT-890. The Stoddart loops are connected to their respective receivers with twin-ax.

Suggestions?

In the meantime, it is looking more and more that I have more (probably a LOT more) than one source of noise. However, if I can track down even on such source it would be helpful.

Thus my attempt at RDFing.

Ken W7EKB

1856. Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yahoo group: glowbugradio
Date: 2014-03-13 17:44:55 UTC
From: John Ruccolo
Topic: 1826 Message: 1856

Hi Charlie,

So I gotta know: what kind of '59 Ford are you working on? T-Bird? Skyliner? Or something that was more family-oriented?

Also, I think it would be fun to take an informal poll of eveyone's favorite "5$ deals" at hamfests. OK, maybe 10 or 20 bucks max. The cheap, fun stuff from hamfests always has the most "play value."

Last year, I got a Hallicrafters S-51 SeaFarer for $5. Wrong knobs, a little dirty, but it works and is an interesting oddball set. It will look good without too much work. The year before, I got a scruffy Howard 435-A for $5. It's in the "when I get to it" pile. Howard made some quirky receivers.

73,

John

From: "Charlie , W5COV" <cvest@...>
To: glowbugradio@yahoogroups.com
Sent: Monday, March 10, 2014 6:56 PM
Subject: Re: [glowbugradio] Mars Thunderbird Mobile (Schematic wanted)

Yes John , I have seen a few of them over the years that I have been a ham. However I didn't know they were an early Japanese import , until I began to research this one. March 1960 QST has a review on it. Sure wish that they had also manufactured a matching receiver or converter. I will likely try my hand at building a converter to match it.

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Now I wonder what happened to the company, and what else they might have manufactured. Someone last night mentioned at least one accessory for it. The review mentions the voltage required to operate it, but doesn't mention anything about a power supply being available, but I had planned on building my own anyway.

The history of some of the companies like this would make for a good book and for some good reading.

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On 3/10/2014 5:31 PM, John Ruccolo wrote:

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>So going to a more compact station , since I really never run "high power" CW or AM the Viking is a bit much to keep on the bench paired with the SP-600. It will also give me more room for 630 meter gear.
>
>Ken, I have an AF-67 and PMR-7 located here locally, but it is from an SK estate and the daughter has no desire to disturb anything at all about how her parents left the home when they both finally passed away. She is 62 or 63 herself. I go by and visit her a couple of times a year, but still no luck at getting her to sell anything. He had bought these as a project himself , quite a few years before he passed away.
>
>Maybe one day she will be in the mood to start disposing of some of the parts and projects rigs that he left.
>
>I just really like the looks and the size of the Mars Thunderbird and it was in a box under the table, so I certainly am not going to lose any money on it, even if it was just good for parts, but I want to do a full restoration on the little rig and play with it. Hey it will keep me off of the streets at night :)
>
>Charlie, W5COV
>
>
>
>On 3/9/2014 9:46 PM, Robert Nickels wrote:

>
>
>>Not sure if my previous post made it to the list, so will do it again:
>>
>>I have a good copy of the schematic of the Mars Thunderbird and put it
>>up here for anyone who'd like it: http://i.imgur.com/Z5S9R4Y.jpg
>>
>>Congrats Charilie, it's a really nifty little transmitter and works
>>well. I happened to have the schematic out just the other day, since
>>there was an article in Electric Radio about it, and the author
>>inconveniently left out the carbon mic transformer! Not that I've ever
>>done anything like that
>>
>>I've had a lot of fun running low-power AM from home using a good
>>antenna. A voltage doubler using one of the $13 isolation transformers
>>will make enough B+ to get on the air, and the carbon mic does the job
>>of a DSP in tailoring the audio to punch through the noise.
>>
>>73, Bob W9RAN
>>
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is
active.
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.

1857. Noise - the hunt.

Yahoo group: glowbugradio
Date: 2014-03-15 21:35:45 UTC
From: Kenneth G. Gordon
Topic: 1857 Message: 1857

Today, since I am still waiting for parts for the NM-20B, I went back to that 36" Stoddart loop which I mentioned here a while back.

It had been mounted on a 12" diameter heavy steel plate, and the loop itself had been modified. The bottom of the plate had been covered with a thick piece of felt.

It had had a BNC connector added opposite to the original twin-ax connector.

I had determined that the loop was resonant at about 500 KHz.

There had been added to the loop two switch boxes, one of which contained a three stage FET preamp of some sort, and both of which contained the necessary capacitor bank to resonate the loop to the various Navy VLF transmitting frequencies.

I removed those two switch boxes and today carefully opened up the loop, removing the compass and bottom cover, and discovered how it had been modified.

The tech had added two resistors and a 0.01 mfd metalized film capacitor.

The 0.01 mfd capacitor was soldered directly to one lead of the loop connection to one side of the twin-ax, and then a series resistor of 470 ohms led from the other end of the capacitor to the center-conductor of the BNC connector.

From the OTHER loop/twin-ax connection, a 10 ohm resistor was soldered to a ground lug which was bolted to "ground".

I then connected the BNC connector, as a test, to the FT-890's antenna input, tuned the FT-890 to 500 Khz, and found a HUGE noise source.

Even in my basement shack, by rotating the loop, I found a very, very deep null in the noise in a ESE-WNW direction. Rotating the loop 90 degrees resulted in a very strong peak in the noise.

Although I am not one bit sure what the two resistors and the capacitor are really doing to the loop pattern, I am going to go triangulating anyway as soon as I reassemble the loop.

I'll build an opamp loop interface asap. But in the meantime, I suspect I will find what I am looking for.

Ken W7EKB

1858. Noise hunt - busted.

Yahoo group: glowbugradio
Date: 2014-03-16 02:27:33 UTC
From: Kenneth G. Gordon
Topic: 1858 Message: 1858

Well, the loop hasn't got enough gain when connected to the FT-890 to give me a useful meter reading on noise alone.

So, I'll build a preamp.

It sure does DF the BC stations though: some over 100 miles away.

The null is very sharp and deep.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1859. Ott filter

Yahoo group: glowbugradio
Date: 2014-03-21 18:49:11 UTC
From: Kenneth G. Gordon
Topic: 1859 Message: 1859

It appears that I need to build an "Ott Filter" for the 12 VDC to 110 VAC inverter I am trying to use with my NM-20B.

Anyone here have any sort of "schematic" for such a filter?

I own two very heavy (75 lbs) 110 VAC to 110VAC at 15 amps transformers. I am thinking that with the proper combination of capacitors and one of these transformers, I could build a 60 Hz low-pass filter which would pass 60 Hz but attenuate everything else.

Suggestions?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1860. Shielded vs unshielded loops.

Yahoo group: glowbugradio
Date: 2014-03-28 18:45:32 UTC
From: Kenneth G. Gordon
Topic: 1860 Message: 1860

Is the null obtained by an unshielded loop worth trying to use?

What, exactly, is the advantage to a shielded loop?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1861. Shielded vs unshielded loops.

Yahoo group: glowbugradio
Date: 2014-03-28 19:19:17 UTC
From: Kenneth G. Gordon
Topic: 1860 Message: 1861

Well, I found this...finally...

"The unshielded loop will...respond to electrostatically induced noise."

While:

"The shielded loop , on the other hand, is almost insensitive to electrostatically induced noise."

In other words, the shielded loop is NOT a good choice to DF the types of noise we are most often bothered by, while the un-shielded loop is specifically sensitive to such noise.

So, my use of my NM-20B, with its shielded loop, was counter-productive.

Kenneth G. Gordon W7EKB

1862. "Twin-ax" connectors...

Yahoo group: glowbugradio
Date: 2014-03-28 19:20:58 UTC
From: Kenneth G. Gordon
Topic: 1862 Message: 1862

Anyone have a couple they would part with for a reasonable sum?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1863. 4 and 5 pin ceramic tube sockets

Yahoo group: glowbugradio
Date: 2014-03-28 19:32:49 UTC
From: <kf9wv@...>
Topic: 1863 Message: 1863

Have found nos tube sockets, 16- 5 pin ceramic and 11- 4pin some ceramic and some black.anyone have a need contact me off line KF9WV

1864. Panel lights

Yahoo group: glowbugradio
Date: 2014-03-28 19:37:44 UTC
From: <kf9wv@...>
Topic: 1864 Message: 1864

Have 13 panel light holders with a red lens,all 115vac,1 1/4 lens diameter and 1 body...KF9WV

1865. Re: [glowbugradio] "Twin-ax" connectors...

Yahoo group: glowbugradio
Date: 2014-04-08 20:18:35 UTC
From: Rod Hogg
Topic: 1862 Message: 1865

Ken,

Did you ever come up with any connectors? I finally got around to doing some inventory searching and have a several AMP 227241-1. New, $6.00/ea plus whatever postage....

73
Rod
KØEQH

From: Kenneth G. Gordon <kgordon2006@...>
To: Glowbugradio@yahoogroups.com
Sent: Friday, March 28, 2014 2:20 PM
Subject: [glowbugradio] "Twin-ax" connectors...

Anyone have a couple they would part with for a reasonable sum?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1866. National NC-109

Yahoo group: glowbugradio
Date: 2014-04-28 18:12:17 UTC
From: John Ruccolo
Topic: 1866 Message: 1866

Hi Carl/Folks,

I know you're gonna trash it -- ;-) -- but I wanted to ask anyway, since you're the National Guru: what do you think if the NC-109? I just bought a scruffy one recently for very cheap.

I give National credit for adding a product detector and VR to what was merely a good entry-level set (the NC-188).

Despite its limitations, I think the average Johnny Novice would have been thrilled to have an NC-109, circa the mid/late 50's.

73,

John, KC2UAK

1867. Re: [glowbugradio] National NC-109

Yahoo group: glowbugradio
Date: 2014-04-28 18:31:01 UTC
From: Jim Strohm
Topic: 1866 Message: 1867

Actually the average Novice of the 1980s (and not just the '50s) would have
been thrilled to have ANY rig. Like I was. Of course, it happened to be
an Atlas 210, but the same day my ticket came in the mail I had a couple of
dipoles in the air and was melting down my straight key. I'd have to find
that log book, but I made more than one contact that night.

I also was blessed with an AM-only receiver that covered the bottom half
HF. I should have built a BFO gadget to be able to receive SSB, but with
the Atlas I could go everywhere I had TX privileges.

I didn't stay a Novice for very long. :)

73
Jim N6OTQ

On Mon, Apr 28, 2014 at 1:12 PM, John Ruccolo <jr6v6gt@...> wrote:

>
>
> Hi Carl/Folks,
>
> I know you're gonna trash it -- ;-) -- but I wanted to ask anyway, since
> you're the National Guru: what do you think if the NC-109? I just bought a
> scruffy one recently for very cheap.
>
> I give National credit for adding a product detector and VR to what was
> merely a good entry-level set (the NC-188).
>
> Despite its limitations, I think the average Johnny Novice would have been
> thrilled to have an NC-109, circa the mid/late 50's.
>
> 73,
>
> John, KC2UAK
>
>
>
>
>
>

1868. Re: [glowbugradio] National NC-109

Yahoo group: glowbugradio
Date: 2014-04-28 23:18:32 UTC
From: Carl
Topic: 1866 Message: 1868

John, the NC-109 is one of the best kept sleeper secrets. Its sensitive, stable and still cheap.

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Monday, April 28, 2014 2:12 PM
Subject: [glowbugradio] National NC-109

Hi Carl/Folks,

I know you're gonna trash it -- ;-) -- but I wanted to ask anyway, since you're the National Guru: what do you think if the NC-109? I just bought a scruffy one recently for very cheap.

I give National credit for adding a product detector and VR to what was merely a good entry-level set (the NC-188).

Despite its limitations, I think the average Johnny Novice would have been thrilled to have an NC-109, circa the mid/late 50's.

73,

John, KC2UAK

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3920/7407 - Release Date: 04/28/14

1869. Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-04-29 15:53:41 UTC
From: Paul Beckwith
Topic: 1866 Message: 1869

Hi Gang,

I have an NC-109 and use it for AM, CW and SSB QSO's. It is indeed a sleeper, and fine RX.

73's de Paul K2LMQ Kingman, AZ

1870. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-04-29 16:02:21 UTC
From: Kenneth G. Gordon
Topic: 1866 Message: 1870

On 29 Apr 2014 at 8:53, Paul Beckwith wrote:

> Hi Gang,
>
> I have an NC-109 and use it for AM, CW and SSB QSO's. It is indeed a
> sleeper, and fine RX.
>
> 73's de Paul K2LMQ Kingman, AZ

I received an NC-109 a few months ago. It is in very fine cosmetic condition and appears to have never been touched internally either.

I got it specifically on Carl's recommendation, as a matter of fact.

I'll go through it as soon as possible, and MAY install it upstairs in our living room so my wife can listen to her shortwave BC stations. ;-)

Ken W7EKB

1871. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-04-29 17:49:19 UTC
From: Bob Macklin
Topic: 1866 Message: 1871

I need to change the mica capacitors in my NC-109. But the means removing the LO assembly from the chassis. So I have out it off.

The end to end tuning of the C band cannot be made correct. But it works good enough to use on 40M.

This is my second NC-109. The first was NEW one in probably 1961.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"
----- Original Message -----
From: Kenneth G. Gordon
To: glowbugradio@yahoogroups.com
Sent: Tuesday, April 29, 2014 9:02 AM
Subject: Re: [glowbugradio] Re: National NC-109

On 29 Apr 2014 at 8:53, Paul Beckwith wrote:

> Hi Gang,
>
> I have an NC-109 and use it for AM, CW and SSB QSO's. It is indeed a
> sleeper, and fine RX.
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> 73's de Paul K2LMQ Kingman, AZ

I received an NC-109 a few months ago. It is in very fine cosmetic condition and appears to have never been touched internally either.

I got it specifically on Carl's recommendation, as a matter of fact.

I'll go through it as soon as possible, and MAY install it upstairs in our living room so my wife can listen to her shortwave BC stations. ;-)

Ken W7EKB

1872. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-04-29 22:17:05 UTC
From: John Ruccolo
Topic: 1866 Message: 1872

Thanks, guys. I'm pleased to see your good reviews of the NC-109. Especially from KM1H. This one is kind of rough around the edges (but what can I expect for $12?). A few years ago, I sold a pair of NC-188s cheap, because I just had too many projects in the queue. (I'm sure some/most/all? of you have had that feeling). If I had kept them, I would have a decent cabinet and side trim and missing knob replacement for the 109. Oh, well.

For $199.95, this was a pretty decent set. My only gripe is that the dial cords are almost always broken on 109s/188s. And what happens to the side chrome trim? They gotta get banged around pretty good for that stuff to fall off.

73,

John, KC2UAK
On Tuesday, April 29, 2014 1:48 PM, Bob Macklin <macklinbob@...> wrote:

I need to change the mica capacitors in my NC-109.
But the means removing the LO assembly from the chassis. So I have out it
off.

The end to end tuning of the C band cannot be made
correct. But it works good enough to use on 40M.

This is my second NC-109. The first was NEW one in
probably 1961.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real
Radios Glow In The Dark"
----- Original Message -----
>From: Kenneth G. Gordon
>To: glowbugradio@yahoogroups.com
>Sent: Tuesday, April 29, 2014 9:02 AM
>Subject: Re: [glowbugradio] Re: National NC-109
>
>
>On 29 Apr 2014 at 8:53, Paul Beckwith wrote:
>
>> Hi Gang,
>>
>> I have an NC-109 and use it for AM, CW and SSB QSO's. It is indeed
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>> 73's de Paul K2LMQ Kingman,
AZ

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>I received an NC-109 a few months ago. It is in very fine cosmetic
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>and appears to have never been touched internally
either.
>
>I got it specifically on Carl's recommendation, as a matter of
fact.
>
>I'll go through it as soon as possible, and MAY install it
upstairs in our living
>room so my wife can listen to her shortwave BC
stations. ;-)
>
>Ken W7EKB
>

1873. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-04-30 01:04:18 UTC
From: Kenneth G. Gordon
Topic: 1866 Message: 1873

On 29 Apr 2014 at 15:17, John Ruccolo wrote:

> This one is kind of rough around the edges (but what can I expect for
> $12?).

Gee.....you lucky dog.

> And what happens to the side chrome trim? They gotta get banged
> around pretty good for that stuff to fall off.

Not really: they are only held to the sides of the receiver by two of those push-on "auto upholstery clips" which fit into two holes on each side of the cabinet.

Both of mine are loose. They fall off if I brush up against them.

Ken W&EKB

1874. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-04-30 17:58:39 UTC
From: John Ruccolo
Topic: 1866 Message: 1874

I think I can live without the chrome trim for now. I believe they have minimal affect on performance. ;-)

Another thing that's often missing on 188's and 109's is the long "National" script emblem on the front. Fortunately, this unit still has that.

The $12 purchase is $2 more than I spent for a very decent NC-109 about twenty years ago at a "regular" flea market (not a hamfest). That one had a *frozen* bandswitch, that despite all my efforts, I could not loosen up. I sold it to a friend for the same $10. He unsoldered a bunch of wires, removed the bandswitch and freed it up and got the set working. After getting this rough 109 recently, I contacted him to see if he still had it. Nope -- he got rid of it long ago.

I apprceciate all the 109 memories and evaluations.

73, John, KC2UAK
On Tuesday, April 29, 2014 9:04 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

On 29 Apr 2014 at 15:17, John Ruccolo wrote:

> This one is kind of rough around the edges (but what can I expect for
> $12?).

Gee.....you lucky dog.

> And what happens to the side chrome trim? They gotta get banged
> around pretty good for that stuff to fall off.

Not really: they are only held to the sides of the receiver by two of those push-on "auto upholstery clips" which fit into two holes on each side of the cabinet.

Both of mine are loose. They fall off if I brush up against them.

Ken W&EKB

1875. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-05-01 17:21:05 UTC
From: <unclegeorgessurplus@...>
Topic: 1866 Message: 1875

Greetings to the group,
I had considered this receiver in 1958 when I was first licensed but the store owner W3NJT who was selling these said I would be better off with the used HQ129X for about the same money. He was right, I was very happy with the Hammarlund and still have one of these today along with a host of other receivers I am not using as much as I should.
i found a HQ 145 with a frozen bandswitch because it had been in a basement that got flooded, maybe your friends was frozen for the same reason.
George

1876. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-05-01 17:53:14 UTC
From: John Ruccolo
Topic: 1866 Message: 1876

Greetings George!

My previous '109 showed no evidence of being submerged. I tried heat, penetrating oils, extra torque (after removing the knob), etc. Maybe I didn't try hard enough....

Yep, the HQ-129 is rock-solid. I think the main advantage of the NC-109 would have been the product detector for SSB.

"....and still have one of these today along with a host of other receivers I am not using as much as I should." I *know* that feeling!

73,

John, KC2UAK
On Thursday, May 1, 2014 1:21 PM, "unclegeorgessurplus@..." <unclegeorgessurplus@...> wrote:

Greetings to the group,
I had considered this receiver in 1958 when I was first licensed but the store owner W3NJT who was selling these said I would be better off with the used HQ129X for about the same money. He was right, I was very happy with the Hammarlund and still have one of these today along with a host of other receivers I am not using as much as I should.
i found a HQ 145 with a frozen bandswitch because it had been in a basement that got flooded, maybe your friends was frozen for the same reason.
George

1877. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-05-01 20:37:11 UTC
From: Carl
Topic: 1866 Message: 1877

I owned a HQ-129X from 1956-63 for hamming and until 69 for BCB DXing and SWL to supplement a 2B and later a 75A4.

I currently own and use a pair of 129's and a NC-109.

With both restored and not modified the 109 runs circles around the 129 above 20M. The 6SS7 RF and first IF amps and 6K8 converter is a real sensitivity killer that takes more than 6SG7 tube swaps to improve much. A 6SB7Y converter requires some wiring changes

The 129 wins hands down for the dial cailbration and the amount of bandspread, plus 6 bands to spread GC out versus 4. Mine was a last run1953 model which included a factory calibrator but most dont have one or include 15M BS; a BS dial from a HQ-140 is a direct swap.

Both have excellent crystal filters and the 129 with the 3 IF stages has better skirt selectvity. Neither is a paragon of stability on the high bands.

The 109 has that gorgeous copper plated chassis and used a lot of disc caps and a minimum of paper caps, access is wide open.
A drop in calibrator is available.

The 129 can be updated with a 6BZ6/6GM6 RF stage and a 6X8 mixer oscillator instead of a converter but requires minitaure 7 and 9 pin sockets.

The 109 can have a 6BZ6/6GM6 RF tube by making a minor socket wire change to ground the suppressor. A 6BY6 mixer is a direct swap and the end result is a hot 10 and 15M radio.

If the higher bands are important a HQ-140X/XA starts off a lot better than the 129 and is very simple to do the later tube swaps. But both still need work to be better on CW/SSB.

Carl
KM1H

----- Original Message -----
From: John Ruccolo
To: glowbugradio@yahoogroups.com
Sent: Thursday, May 01, 2014 1:53 PM
Subject: Re: [glowbugradio] Re: National NC-109

Greetings George!

My previous '109 showed no evidence of being submerged. I tried heat, penetrating oils, extra torque (after removing the knob), etc. Maybe I didn't try hard enough....

Yep, the HQ-129 is rock-solid. I think the main advantage of the NC-109 would have been the product detector for SSB.

"....and still have one of these today along with a host of other receivers I am not using as much as I should." I *know* that feeling!

73,

John, KC2UAK
On Thursday, May 1, 2014 1:21 PM, "unclegeorgessurplus@..." <unclegeorgessurplus@...> wrote:

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I had considered this receiver in 1958 when I was first licensed but the store owner W3NJT who was selling these said I would be better off with the used HQ129X for about the same money. He was right, I was very happy with the Hammarlund and still have one of these today along with a host of other receivers I am not using as much as I should.
i found a HQ 145 with a frozen bandswitch because it had been in a basement that got flooded, maybe your friends was frozen for the same reason.
George

1878. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-05-01 21:22:19 UTC
From: Kenneth G. Gordon
Topic: 1866 Message: 1878

Thank you for the info below, Carl. I find these sorts of things to be very valuable.

Ken W7EKB

On 1 May 2014 at 16:37, Carl wrote:

>
>
> I owned a HQ-129X from 1956-63 for hamming and until 69 for BCB DXing and
> SWL to supplement a 2B and later a 75A4.
>
> I currently own and use a pair of 129's and a NC-109.
>
> With both restored and not modified the 109 runs circles around the 129
> above 20M. The 6SS7 RF and first IF amps and 6K8 converter is a real
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> 6SB7Y converter requires some wiring changes
>
> The 129 wins hands down for the dial cailbration and the amount of
> bandspread, plus 6 bands to spread GC out versus 4. Mine was a last run1953
> model which included a factory calibrator but most dont have one or include 15M
> BS; a BS dial from a HQ-140 is a direct swap.
>
> Both have excellent crystal filters and the 129 with the 3 IF stages has
> better skirt selectvity. Neither is a paragon of stability on the high
> bands.
>
> The 109 has that gorgeous copper plated chassis and used a lot of disc caps and
> a minimum of paper caps, access is wide open. A drop in calibrator is available.
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> The 129 can be updated with a 6BZ6/6GM6 RF stage and a 6X8 mixer oscillator
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> The 109 can have a 6BZ6/6GM6 RF tube by making a minor socket wire change to
> ground the suppressor. A 6BY6 mixer is a direct swap and the end result is a hot
> 10 and 15M radio.
>
> If the higher bands are important a HQ-140X/XA starts off a lot better than the
> 129 and is very simple to do the later tube swaps. But both still need work to
> be better on CW/SSB.
>
> Carl
> KM1H
>
> ----- Original Message -----

> From: John Ruccolo
> To: glowbugradio@yahoogroups.com
> Sent: Thursday, May 01, 2014 1:53 PM
> Subject: Re: [glowbugradio] Re: National NC-109
>
> Greetings George!
>
> My previous '109 showed no evidence of being submerged. I tried heat,
> penetrating oils, extra torque (after removing the knob), etc. Maybe I
> didn't try hard enough....
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> would have been the product detector for SSB.
>
> "....and still have one of these today along with a host of other receivers I am
> not using as much as I should." I *know* that feeling!
>
> 73,
>
> John, KC2UAK
> On Thursday, May 1, 2014 1:21 PM, "unclegeorgessurplus@yahoo.com"
> <unclegeorgessurplus@...> wrote:
>
> Greetings to the group,
> I had considered this receiver in 1958 when I was first licensed but the
> store owner W3NJT who was selling these said I would be better off with the used
> HQ129X for about the same money. He was right, I was very happy with the
> Hammarlund and still have one of these today along with a host of other
> receivers I am not using as much as I should. i found a HQ 145 with a frozen
> bandswitch because it had been in a basement that got flooded, maybe your
> friends was frozen for the same reason. George
>
>

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1879. Re: [glowbugradio] Re: National NC-109

Yahoo group: glowbugradio
Date: 2014-05-01 23:24:45 UTC
From: John Ruccolo
Topic: 1866 Message: 1879

Hi Ken,

I agree. An excellent overview. Thanks much, Carl.

John, KC2UAK
On Thursday, May 1, 2014 5:22 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

Thank you for the info below, Carl. I find these sorts of things to be very
valuable.

Ken W7EKB

On 1 May 2014 at 16:37, Carl wrote:

>
>
> I owned a HQ-129X from 1956-63 for hamming and until 69 for BCB DXing and
> SWL to supplement a 2B and later a 75A4.
>
> I currently own and use a pair of 129's and a NC-109.
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> With both restored and not modified the 109 runs circles around the 129
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>
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> model which included a factory calibrator but most dont have one or include 15M
> BS; a BS dial from a HQ-140 is a direct swap.
>
> Both have excellent crystal filters and the 129 with the 3 IF stages has
> better skirt selectvity. Neither is a paragon of stability on the high
> bands.
>
> The 109 has that gorgeous copper plated chassis and used a lot of disc caps and
> a minimum of paper caps, access is wide open. A drop in calibrator is available.
>
> The 129 can be updated with a 6BZ6/6GM6 RF stage and a 6X8 mixer oscillator
> instead of a converter but requires minitaure 7 and 9 pin sockets.
>
> The 109 can have a 6BZ6/6GM6 RF tube by making a minor socket wire change to
> ground the suppressor. A 6BY6 mixer is a direct swap and the end result is a hot
> 10 and 15M radio.
>
> If the higher bands are important a HQ-140X/XA starts off a lot better than the

> 129 and is very simple to do the later tube swaps. But both still need work to
> be better on CW/SSB.
>
> Carl
> KM1H
>
> ----- Original Message -----
> From: John Ruccolo
> To: glowbugradio@yahoogroups.com
> Sent: Thursday, May 01, 2014 1:53 PM
> Subject: Re: [glowbugradio] Re: National NC-109
>
> Greetings George!
>
> My previous '109 showed no evidence of being submerged. I tried heat,
> penetrating oils, extra torque (after removing the knob), etc. Maybe I
> didn't try hard enough....
>
> Yep, the HQ-129 is rock-solid. I think the main advantage of the NC-109
> would have been the product detector for SSB.
>
> "....and still have one of these today along with a host of other receivers I am
> not using as much as I should." I *know* that feeling!
>
> 73,
>
> John, KC2UAK
> On Thursday, May 1, 2014 1:21 PM, "unclegeorgessurplus@..."
> <unclegeorgessurplus@yahoo.com> wrote:
>
> Greetings to the group,
> I had considered this receiver in 1958 when I was first licensed but the
> store owner W3NJT who was selling these said I would be better off with the used
> HQ129X for about the same money. He was right, I was very happy with the
> Hammarlund and still have one of these today along with a host of other
> receivers I am not using as much as I should. i found a HQ 145 with a frozen
> bandswitch because it had been in a basement that got flooded, maybe your
> friends was frozen for the same reason. George
>
>

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1880. A weird question.

Yahoo group: glowbugradio
Date: 2014-05-09 20:47:10 UTC
From: Kenneth G. Gordon
Topic: 1880 Message: 1880

I have been trying to make some better QSL cards. The old ones I have now were printed up for me on standard card stock from a drawing I made in a CAD program.

Lately, I have been making them using a piece of free software named QSLMaker.

Although it has its limitations, it does a far better job than I ever did by hand, especially after one spends some time "tweaking" it.

My question concerns writing on the printed cards.

I first printed some off on high quality glossy photo paper. They look nice.

However, I have yet to find anything that will write on them, other than "Whiteout", and that is really difficult to use to make the lines narrow enough.

I then bought a collection of different colored fine-point Sharpies. They don't do it either.

I then printed the cards off on matte photo paper.

Same thing occurs.

My printer won't handle common card stock, so at this point, I don't know what to do to be able to write on these things.

One thing that is important is that since the backgrounds for the various cards are of different colors, I have to be able to use different colored inks: yellow, white, red, etc.

Anyone have any ideas?

Ken W7EKB

1881. Re: [glowbugradio] A weird question.

Yahoo group: glowbugradio
Date: 2014-05-09 22:15:06 UTC
From: Jim Strohm
Topic: 1880 Message: 1881

Sometimes maybe you want to bite the bullet and go with a real print shop contractor. It costs more (unless you're using an inkjet printer) and you have to get more made, but you don't suffer from these woes.

I'll bet that VistaPrint would do QSL cards if we would explain what they are and how pervasive a market it is. A lot of hams are cheapskates ... but a lot of hams are rich and famous, like Glenn Frey and Wayne Green (SK) and Barry Goldwater (SK).

I am about to need QSL cards myself, so I'll approach VistaPrint with the idea. Also -- not everybody would go for this -- the ARRL is a publisher. Would they want to do QSL cards?

73
Jim N6OTQ

On Fri, May 9, 2014 at 3:47 PM, 'Kenneth G. Gordon'
kgordon2006@...[glowbugradio]
<glowbugradio@yahoogroups.com> wrote:

> I have been trying to make some better QSL cards. The old ones I have now
> were printed up for me on standard card stock from a drawing I made in a
> CAD program.
>
> Lately, I have been making them using a piece of free software named
> QSLMaker.
>
> Although it has its limitations, it does a far better job than I ever did
> by hand,
> especially after one spends some time "tweaking" it.
>
> My question concerns writing on the printed cards.
>
> I first printed some off on high quality glossy photo paper.
>

[snippage]

>
> Anyone have any ideas?
>
> Ken W7EKB
>

1882. W1AW/0

Yahoo group: glowbugradio
Date: 2014-05-19 03:37:02 UTC
From: Charlie , W5COV
Topic: 1882 Message: 1882

I see a lot of negative comments tonight on DX Spots , complaining about different bands and modes and blaming the W1AW/0 portable operation in SD this week.

THE OPERATION IS NOT THE PROBLEM !!

I have worked them 14 times now all contacts with a different mode or different band !! NOT ONE DUPLICATE !! I have heard them on a couple that I still lack to work them on all modes on all bands.

When I am QRO, it is with 100 watts input and the antenna is a 102 foot G5RV with the apex at 25 feet and the ends at about 10 foot.

On 160 meters I know two of my contacts have been QRP and using the same G5RV, but configured as a flat top and that takes a stretch of the imagination to call it a flat top and less than 23 feet of it vertical !!

I have worked them on CW, SSB, RTTY, and a new one for me, JT65HF, on 30 meters !!

I fully expect to add one or two more contacts with them to add to my already nice looking list of contacts with them.

They are doing a GREAT job !! I think this is going to be my most successful state so far !!

THANKS to ALL of the SD operators, ESPECIALLY when they have had to consume extra time with stations like mine, especially QRP and staying with me until we had a true confirmed contact !!

KEEP UP THE GOOD WORK GUYS !!! Now if 10 and 12 meters will just open between us, I will have it made.

Charlie, W5COV

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

1883. Re: W1AW/0

Yahoo group: glowbugradio
Date: 2014-05-19 16:35:18 UTC
From: Rick Lutzinger
Topic: 1882 Message: 1883

The South Dakota station operating the W1AW/0 station, when working split frequency did a less than adequate job on announcing that it was a split frequency operation. This causes a lot of unnecessary confusion. If split operation is announced often it is not a problem but he did not do that. At least the operator that I worked.

Also, I think that this whole W1AW operation should have not allowed split freq operation since it is unfair to many operators that cannot do split frequency. Many can, but some cannot and that is not fair to the amateur community.

Rick KD6ZR

1884. ACOM 1011

Yahoo group: glowbugradio
Date: 2014-05-23 03:06:37 UTC
From: Kenneth G. Gordon
Topic: 1884 Message: 1884

Does anyone here know anything about the subject amplifier?

I have a sort of a schematic, but it is not clear what the plate or screen voltages are, and there are some other odd things on the schemo too.

It looks like the plate voltage is +2350 VDC and the screen voltage is +380 VDC, but I'm not certain about that either.

It also uses a Pi-L output network.

Anyone?

Ken W7EKB

1885. Inches of water: how to measure.

Yahoo group: glowbugradio
Date: 2014-05-23 17:02:52 UTC
From: Kenneth G. Gordon
Topic: 1885 Message: 1885

If I have a piece of clear, phenolic tubing 1/2 inch in diameter, can I simply hold that onto a 1/2" diameter area of the tube fins to get an accurate reading of air pressure in inches of water?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1886. Re: [glowbugradio] Inches of water: how to measure.

Yahoo group: glowbugradio
Date: 2014-05-23 18:46:53 UTC
From: Charlie , W5COV
Topic: 1885 Message: 1886

I make a "U" shaped manometer(clear tubing) on a piece of
cardboard(held on with wire ties) and use a tape measure and hook it up
directly for IWC measurements in the shack here Ken.

Charlie

On 5/23/2014 12:02 PM, 'Kenneth G. Gordon' kgordon2006@...
[glowbugradio] wrote:
>
> If I have a piece of clear, phenolic tubing 1/2 inch in diameter, can
> I simply
> hold that onto a 1/2" diameter area of the tube fins to get an
> accurate reading
> of air pressure in inches of water?
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

1887. Re: [glowbugradio] Inches of water: how to measure.

Yahoo group: glowbugradio
Date: 2014-05-23 19:06:37 UTC
From: Kenneth G. Gordon
Topic: 1885 Message: 1887

On 23 May 2014 at 13:46, 'Charlie , W5COV' cvest@... [glowbugraRe: [glowbugradio] Inches of water: how to measur wrote:

> I make a "U" shaped manometer(clear tubing) on a piece of cardboard(held on
> with wire ties) and use a tape measure and hook it up directly for IWC
> measurements in the shack here Ken.
>
> Charlie

Hi, Charlie: That isn't my question: I figured that part out OK. :-)

My question is the area of the tube fins that must be covered for an accurate reading.

After thinking about if for a bit, I think that the diameter of the tubing would be sufficient, as long as the air flow through the tubes' fins was maintained at a steady level.

I was first thinking of a sort of inverted venturi which would cover the whole tube surface and reduce to the diameter of the tubing, but that would probably just blow all the water out of the U-tube, since it would multiplying the pressure by the ratio of the area of the tubing vs the area of the tube....like a 2" diameter plate outlet to a 1/2" tubing would be mulitplying the pressure that the U-tube would see by something like 16-less the area of the central "plug".

But this can't be correct.

Ken W7EKB

1888. Re: [glowbugradio] Inches of water: how to measure.

Yahoo group: glowbugradio
Date: 2014-05-23 19:11:56 UTC
From: Jim Strohm
Topic: 1885 Message: 1888

You're measuring the pressure differential between atmospheric, and the pressurized plenum in which the tube sits and whose anode is the only egress for cooling air.

You don't need to cover ANY of the anode.

Does this help you to better understand what you are supposed to be measuring?

73
Jim N6OTQ

On Fri, May 23, 2014 at 2:06 PM, 'Kenneth G. Gordon' kgordon2006@... [glowbugradio] <glowbugradio@yahoogroups.com>wrote:

> On 23 May 2014 at 13:46, 'Charlie , W5COV' cvest@... [glowbugraRe:
> [glowbugradio] Inches of water: how to measur wrote:
>
> > I make a "U" shaped manometer(clear tubing) on a piece of
> cardboard(held on
> > with wire ties) and use a tape measure and hook it up directly for IWC
> > measurements in the shack here Ken.
> >
> > Charlie
>
> Hi, Charlie: That isn't my question: I figured that part out OK. :-)
>
> My question is the area of the tube fins that must be covered for an
> accurate
> reading.
>
> After thinking about if for a bit, I think that the diameter of the tubing
> would be
> sufficient, as long as the air flow through the tubes' fins was maintained
> at a
> steady level.
>
> I was first thinking of a sort of inverted venturi which would cover the
> whole
> tube surface and reduce to the diameter of the tubing, but that would
> probably just blow all the water out of the U-tube, since it would
> multiplying
> the pressure by the ratio of the area of the tubing vs the area of the
> tube....like a 2" diameter plate outlet to a 1/2" tubing would be
> mulitplying the
> pressure that the U-tube would see by something like 16-less the area of

> the
> central "plug".
>
> But this can't be correct.
>
> Ken W7EKB
>

1889. Re: [glowbugradio] Inches of water: how to measure.

Yahoo group: glowbugradio
Date: 2014-05-23 20:04:39 UTC
From: Kenneth G. Gordon
Topic: 1885 Message: 1889

On 23 May 2014 at 14:11, Jim Strohm jim.strohm@... [glowbugraRe: [glowbugradio] Inches of water: how to measur wrote:

>
>
> You're measuring the pressure differential between atmospheric, and the
> pressurized plenum in which the tube sits and whose anode is the only egress for
> cooling air.
>
> You don't need to cover ANY of the anode.
>
> Does this help you to better understand what you are supposed to be measuring?

Yes, thanks.

What I meant by "covered" was by the tubing to the U-tube.

I get it now.

Thanks, and vy 73,

Ken W7EKB

1890. Info needed.

Yahoo group: glowbugradio
Date: 2014-06-21 03:40:52 UTC
From: Kenneth G. Gordon
Topic: 1890 Message: 1890

I have a friend, Roger Kuchera K1TG, who is presently restoring both an RME-69 receiver, and also an RME LF converter of the same period which he plans to couple to his RME-69 to use on the air.

His problem is that he has no alignment data, nor schematic diagram, nor hookup data, nor practically anything else for the LF converter.

Can anyone here supply those necessary documents?

vy 73,

Ken W7EKB

1891. Re: Info needed.

Yahoo group: glowbugradio
Date: 2014-06-27 08:03:15 UTC
From: tannebri@...
Topic: 1890 Message: 1891

LA5KI has photo's on his web page of a converter he may have some documentation.

Brian

1892. Re: [glowbugradio] Re: Info needed.

Yahoo group: glowbugradio
Date: 2014-06-27 15:55:04 UTC
From: Kenneth G. Gordon
Topic: 1890 Message: 1892

On 27 Jun 2014 at 1:03, tannebri@... [glowbugradio] wrote:

> LA5KI has photo's on his web page of a converter he may have some documentation.
>
> Brian

Thanks, Brian. Due to the crush of getting ready to leave for a visit to my wife's family in Illinois, I have forgotten what I asked for.

Would you be kind enough to refresh my memory?

Ken W7EKB

1893. Museum of Radio and Technology

Yahoo group: glowbugradio
Date: 2014-07-01 08:14:49 UTC
From: n4zed@...
Topic: 1893 Message: 1893

I found this little gem while on a recent vacation. It is supposed to be the largest museum of its kind on the East Coast and I have to say it is a vast collection of communications gear from novelty radios to broadcast transmitters including a lot of military radios and a complete working armature shack with multiple stations. How about an amplifier made from a re-purposed 1950's refrigerator? Guys this place is well worth a couple hour trip to see this place. My 4 person "crew" had a personal tour by a nice gent named Zane P. You can also walk around by yourself if you wish. There is no admission but you can leave a donation if you wish...I left a pretty big one because it was well worth the price of admission. It's located in Huntington, WV.

Web page:
Museum of Radio and Technology http://www.ohio.edu/people/postr/mrt/

Slide Show:
http://picasaweb.google.com/WVRadioMuseum/MuseumOfRadioAndTechnology#slideshow/
http://picasaweb.google.com/WVRadioMuseum/MuseumOfRadioAndTechnology#slideshow/

http://www.ohio.edu/people/postr/mrt/

Museum of Radio and Technology http://www.ohio.edu/people/postr/mrt/ The Museum of Radio and Technology is the largest antique radio museum in the eastern United States. See vintage radios, TVs, tubes, parts, posters, ham, militar...

View on www.ohio.edu http://www.ohio.edu/people/postr/mrt/
Preview by Yahoo

1894. Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-18 21:56:17 UTC
From: Kenneth G. Gordon
Topic: 1894 Message: 1894

I understand that Sprague is no longer making and/or selling Orange Drop caps.

I've never liked to use those to replace bad paper caps since that garish orange color and the radial leads make them too obvious.

However, I now have around 2 dozen used 0.05 mfd 400 VDC Orange Drops here which I would like to sell.

I also have a few 0.22 mfd 400 VDC jobs.

Can anyone give me any idea of their present worth?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1895. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-18 22:01:39 UTC
From: Carl
Topic: 1894 Message: 1895

Ebay usually sets the standard, I dump a lot of parts on there including leaky Black Beauties which attract audiophools to high levels of lust (-;

Carl
KM1H

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: Glowbugradio@yahoogroups.com
Sent: Friday, July 18, 2014 5:56 PM
Subject: [glowbugradio] Orange Drops.

I understand that Sprague is no longer making and/or selling Orange Drop caps.

I've never liked to use those to replace bad paper caps since that garish orange color and the radial leads make them too obvious.

However, I now have around 2 dozen used 0.05 mfd 400 VDC Orange Drops here which I would like to sell.

I also have a few 0.22 mfd 400 VDC jobs.

Can anyone give me any idea of their present worth?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7875 - Release Date: 07/18/14

1896. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-18 23:14:23 UTC
From: Charles MacDonald
Topic: 1894 Message: 1896

On 14-07-18 05:56 PM, 'Kenneth G. Gordon' kgordon2006@...
[glowbugradio] wrote:
> I understand that Sprague is no longer making and/or selling Orange Drop
> caps.

Brands and technology drift from corporation to corporation these days.

For many years there was made by an outfite called SBE that took over
the original Plant that made them. In looking for the contact info to
pass along, I see that the product line is now in the hands of CDE.

http://www.cde.com/products/orange-drop/

> I've never liked to use those to replace bad paper caps since that garish
> orange color and the radial leads make them too obvious.

I tend to prefer the Plain Yellow axial leaded caps myself.

CDE used to make them, who knows who does now, I got my last batch from
Just Radios.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1897. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 07:18:29 UTC
From: Jim Strohm
Topic: 1894 Message: 1897

It appears that Cornell Dubilier is making these now ... or that's the vendor that Digi-Key shows. Maybe a couple of bucks each for new stock with ISO 9000 traceability.

I'd guess that surplus value is 1/10 the new price.

Of course, you could offer these to the audiophiles and musicians at $20 each, and challenge the question of whether the "bigger fool" theory applies more to the supply side or the demand side ....

73
Jim N6OTQ

On Fri, Jul 18, 2014 at 4:56 PM, 'Kenneth G. Gordon' kgordon2006@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

> I understand that Sprague is no longer making and/or selling Orange Drop caps.
>
> I've never liked to use those to replace bad paper caps since that garish orange color and the radial leads make them too obvious.
>
> However, I now have around 2 dozen used 0.05 mfd 400 VDC Orange Drops here which I would like to sell.
>
> I also have a few 0.22 mfd 400 VDC jobs.
>
> Can anyone give me any idea of their present worth?
>
> Kenneth G. Gordon W7EKB
>

1898. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 16:42:12 UTC
From: Kenneth G. Gordon
Topic: 1894 Message: 1898

On 18 Jul 2014 at 18:01, 'Carl' km1h@... [glowbugradio] wrote:

> Ebay usually sets the standard, I dump a lot of parts on there including leaky
> Black Beauties which attract audiophools to high levels of lust (-; Carl KM1H

Yes. Isn't that amazing?

Well, thanks, guys. I guess I'll throw them at eBay and see what happens.

Turns out that I have over 50 in three different values.

I even have some NOS Black Beauties. (Hee hee!).

One thing I have yet to figure out is why folks will buy things from eBay for prices that are higher than new versions which are available from places like Mouser and AES. Weird.

Ken W7EKB

1899. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 16:56:56 UTC
From: Paul Kraemer
Topic: 1894 Message: 1899

Ken
Necessary to maintain that vintage sound, which, to some extent was due to the imperfections and realities in older capacitors.
Not defending it, just saying there is some "logic" to their thinking---however flawed it is.
I do completely test my offerings and publish the results on the listing so they can be advised just what they are buying in old capacitors (or anything else)
Paul K0UYA

From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
Sent: Saturday, July 19, 2014 11:42 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Orange Drops.

On 18 Jul 2014 at 18:01, 'Carl' km1h@... [glowbugradio] wrote:

> Ebay usually sets the standard, I dump a lot of parts on there including leaky
> Black Beauties which attract audiophools to high levels of lust (-; Carl KM1H

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Ken W7EKB

1900. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 17:45:48 UTC
From: Carl
Topic: 1894 Message: 1900

I seriously doubt the commercial amp manufacturers bought into that BS. They bought what was standard available parts in the 50's and prior to low cost Mylar caps availability a decade later.

Carl
KM1H

----- Original Message -----
From: 'Paul Kraemer' elespe@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Saturday, July 19, 2014 12:56 PM
Subject: Re: [glowbugradio] Orange Drops.

Ken
Necessary to maintain that vintage sound, which, to some extent was due to the imperfections and realities in older capacitors.
Not defending it, just saying there is some "logic" to their thinking---however flawed it is.
I do completely test my offerings and publish the results on the listing so they can be advised just what they are buying in old capacitors (or anything else)
Paul K0UYA

From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
Sent: Saturday, July 19, 2014 11:42 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Orange Drops.

On 18 Jul 2014 at 18:01, 'Carl' km1h@... [glowbugradio] wrote:

> Ebay usually sets the standard, I dump a lot of parts on there including
> leaky
> Black Beauties which attract audiophools to high levels of lust (-; Carl
> KM1H

Yes. Isn't that amazing?

Well, thanks, guys. I guess I'll throw them at eBay and see what happens.

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I even have some NOS Black Beauties. (Hee hee!).

One thing I have yet to figure out is why folks will buy things from eBay for
prices that are higher than new versions which are available from places like
Mouser and AES. Weird.

Ken W7EKB

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Version: 2014.0.4716 / Virus Database: 3986/7883 - Release Date: 07/19/14

1901. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 17:47:23 UTC
From: Carl
Topic: 1894 Message: 1901

If the BB's have yellow graphics they are paper caps and if red graphics they are film caps which are likely still good.....HP used a lot of those.

Carl

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Saturday, July 19, 2014 12:42 PM
Subject: Re: [glowbugradio] Orange Drops.

On 18 Jul 2014 at 18:01, 'Carl' km1h@... [glowbugradio] wrote:

> Ebay usually sets the standard, I dump a lot of parts on there including leaky
> Black Beauties which attract audiophools to high levels of lust (-; Carl KM1H

Yes. Isn't that amazing?

Well, thanks, guys. I guess I'll throw them at eBay and see what happens.

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I even have some NOS Black Beauties. (Hee hee!).

One thing I have yet to figure out is why folks will buy things from eBay for prices that are higher than new versions which are available from places like Mouser and AES. Weird.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7883 - Release Date: 07/19/14

1902. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 17:54:32 UTC
From: Kenneth G. Gordon
Topic: 1894 Message: 1902

On 19 Jul 2014 at 13:47, 'Carl' km1h@... [glowbugradio] wrote:

> If the BB's have yellow graphics they are paper caps and if red graphics they
> are film caps which are likely still good...

I didn't know that: thanks.

>..HP used a lot of those. Carl

I didn't know that either.

Thanks.

Ken

1903. Re: [glowbugradio] Orange Drops and eBay prices

Yahoo group: glowbugradio
Date: 2014-07-19 18:20:43 UTC
From: Kenneth G. Gordon
Topic: 1894 Message: 1903

On 19 Jul 2014 at 11:56, 'Paul Kraemer' elespe@... [glowbugr wrote:

> Necessary to maintain that vintage sound, which, to some extent was due to the
> imperfections and realities in older capacitors.
>
>
> One thing I have yet to figure out is why folks will buy things from eBay for
> prices that are higher than new versions which are available from places like
> Mouser and AES. Weird.

What I meant was that folks will buy the exact same item off eBay for higher prices than that same item costs when bought from an off-eBay or commercial seller.

For instance, tubes.

Whenever I look for certain tubes on eBay and find some NOS or NIB ones, I immediately check the price and availability of the SAME tube on AES' site or one of the other sellers of such tubes.

I almost always find that the seller on eBay is asking a price for that tube that is at least 33% higher than AES is asking for it, and very often, double AES' price.

Those tubes sell immediately, and I cannot understand this sort of thinking.

The same thing applies to other components....

Ken W7EKB

1904. More on Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 18:28:55 UTC
From: Kenneth G. Gordon
Topic: 1904 Message: 1904

Well, it turns out that modern Orange Drops are film capacitors, either polyester or polypropylene.

Anyone know what they were in the 1970s?

I thought they were paper.

Ken W7EKB

1905. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 19:17:29 UTC
From: Paul Kraemer
Topic: 1894 Message: 1905

I doubt they did "buy into it". I'm just saying that the capacitors of 6 decades ago had characteristics inherent to them that affected the circuit's overall performance and the sound. Replacement of the component with a modern albeit technically better component will affect that original outcome.
If you want to see ridiculous prices check out the audiophille websites for NEW parts with claims for tonal quality. Now that IS total BS. Old components not performing same as new components just a fact.
Paul K0UYA

From: 'Carl' km1h@... [glowbugradio]
Sent: Saturday, July 19, 2014 12:45 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Orange Drops.

I seriously doubt the commercial amp manufacturers bought into that BS. They bought what was standard available parts in the 50's and prior to low cost Mylar caps availability a decade later.

Carl
KM1H

----- Original Message -----
From: 'Paul Kraemer' elespe@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Saturday, July 19, 2014 12:56 PM
Subject: Re: [glowbugradio] Orange Drops.

Ken
Necessary to maintain that vintage sound, which, to some extent was due to the imperfections and realities in older capacitors.
Not defending it, just saying there is some "logic" to their thinking---however flawed it is.
I do completely test my offerings and publish the results on the listing so they can be advised just what they are buying in old capacitors (or anything else)
Paul K0UYA

From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
Sent: Saturday, July 19, 2014 11:42 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Orange Drops.

On 18 Jul 2014 at 18:01, 'Carl' km1h@... [glowbugradio] wrote:

> Ebay usually sets the standard, I dump a lot of parts on there including
> leaky
> Black Beauties which attract audiophools to high levels of lust (-; Carl

> KM1H

Yes. Isn't that amazing?

Well, thanks, guys. I guess I'll throw them at eBay and see what happens.

Turns out that I have over 50 in three different values.

I even have some NOS Black Beauties. (Hee hee!).

One thing I have yet to figure out is why folks will buy things from eBay for
prices that are higher than new versions which are available from places like
Mouser and AES. Weird.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7883 - Release Date: 07/19/14

1906. RE: [glowbugradio] More on Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 20:24:00 UTC
From: Bruce Hagen
Topic: 1904 Message: 1906

Ken:

They were film from the beginning.

Bruce

From: glowbugradio@yahoogroups.com [mailto:glowbugradio@yahoogroups.com]
Sent: Saturday, July 19, 2014 2:29 PM
To: Glowbugradio@yahoogroups.com
Subject: [glowbugradio] More on Orange Drops.

Well, it turns out that modern Orange Drops are film capacitors, either
polyester or polypropylene.

Anyone know what they were in the 1970s?

I thought they were paper.

Ken W7EKB

I am using the Free version of SPAMfighter <http://www.spamfighter.com/len>
.
SPAMfighter has removed 351 of my spam emails to date.

Do you have a slow PC? <http://www.spamfighter.com/SLOW-PCfighter?cid=sigen>
Try a free scan!

1907. Re: [glowbugradio] Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 20:50:13 UTC
From: Carl
Topic: 1894 Message: 1907

I fail to see how a new paper cap in 1950 sounded any different than a new film cap a decade later. As the paper cap deterioated there will be a change.

The knuckle heads rebuilding Gibson and other guitar amps havent a clue what they sounded like when built.

Carl
KM1H

----- Original Message -----
From: 'Paul Kraemer' elespe@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Saturday, July 19, 2014 3:17 PM
Subject: Re: [glowbugradio] Orange Drops.

I doubt they did "buy into it". I'm just saying that the capacitors of 6 decades ago had characteristics inherent to them that affected the circuit's overall performance and the sound. Replacement of the component with a modern albeit technically better component will affect that original outcome.
If you want to see ridiculous prices check out the audiophille websites for NEW parts with claims for tonal quality. Now that IS total BS. Old components not performing same as new components just a fact.
Paul K0UYA

From: 'Carl' km1h@... [glowbugradio]
Sent: Saturday, July 19, 2014 12:45 PM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Orange Drops.

I seriously doubt the commercial amp manufacturers bought into that BS. They bought what was standard available parts in the 50's and prior to low cost Mylar caps availability a decade later.

Carl
KM1H

----- Original Message -----
From: 'Paul Kraemer' elespe@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Saturday, July 19, 2014 12:56 PM
Subject: Re: [glowbugradio] Orange Drops.

Ken
Necessary to maintain that vintage sound, which, to some extent was due to the imperfections and realities in older capacitors.

Not defending it, just saying there is some "logic" to their
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I do completely test my offerings and publish the results on the listing so
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Paul K0UYA

From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
Sent: Saturday, July 19, 2014 11:42 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Orange Drops.

On 18 Jul 2014 at 18:01, 'Carl' km1h@... [glowbugradio] wrote:

> Ebay usually sets the standard, I dump a lot of parts on there including
> leaky
> Black Beauties which attract audiophools to high levels of lust (-; Carl
> KM1H

Yes. Isn't that amazing?

Well, thanks, guys. I guess I'll throw them at eBay and see what happens.

Turns out that I have over 50 in three different values.

I even have some NOS Black Beauties. (Hee hee!).

One thing I have yet to figure out is why folks will buy things from eBay
for
prices that are higher than new versions which are available from places
like
Mouser and AES. Weird.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7883 - Release Date: 07/19/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7883 - Release Date: 07/19/14

1908. Re: [glowbugradio] More on Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 20:50:17 UTC
From: Carl
Topic: 1904 Message: 1908

They were never paper and always some film version.

SBE was the employee group that bought Sprague out at the plant in VT. They continued custom values or specs there and outsourced the common stuff to China.

Ive no idea what CDE will do with it, likely continue to milk the name to those foolish enough who believe there is value added.

Carl
----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: Glowbugradio@yahoogroups.com
Sent: Saturday, July 19, 2014 2:28 PM
Subject: [glowbugradio] More on Orange Drops.

Well, it turns out that modern Orange Drops are film capacitors, either polyester or polypropylene.

Anyone know what they were in the 1970s?

I thought they were paper.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7883 - Release Date: 07/19/14

1909. Re: [glowbugradio] More on Orange Drops.

Yahoo group: glowbugradio
Date: 2014-07-19 21:49:55 UTC
From: Kenneth G. Gordon
Topic: 1904 Message: 1909

On 19 Jul 2014 at 16:24, 'Bruce Hagen' b_hagen@... [glow wrote:

> Ken:
>
> They were film from the beginning.
>
> Bruce

I had no idea. Thanks, Bruce.

Ken W7EKB

1910. Re: [glowbugradio] Orange Drops and eBay prices

Yahoo group: glowbugradio
Date: 2014-07-19 23:30:50 UTC
From: Ed Cartwright
Topic: 1894 Message: 1910

interesting thread

On Sat, Jul 19, 2014 at 11:20 AM, 'Kenneth G. Gordon'
kgordon2006@... [glowbugradio] <glowbugradio@yahoogroups.com>
wrote:

>
>
> On 19 Jul 2014 at 11:56, 'Paul Kraemer' elespe@... [glowbugr wrote:
>
> > Necessary to maintain that vintage sound, which, to some extent was due
> to the
> > imperfections and realities in older capacitors.
> >
> >
> > One thing I have yet to figure out is why folks will buy things from
> eBay for
> > prices that are higher than new versions which are available from places
> like
> > Mouser and AES. Weird.
>
> What I meant was that folks will buy the exact same item off eBay for
> higher
> prices than that same item costs when bought from an off-eBay or
> commercial seller.
>
> For instance, tubes.
>
> Whenever I look for certain tubes on eBay and find some NOS or NIB ones, I
> immediately check the price and availability of the SAME tube on AES' site
> or
> one of the other sellers of such tubes.
>
> I almost always find that the seller on eBay is asking a price for that
> tube that
> is at least 33% higher than AES is asking for it, and very often, double
> AES'
> price.
>
> Those tubes sell immediately, and I cannot understand this sort of
> thinking.
>
> The same thing applies to other components....
>
> Ken W7EKB

>
>

1911. 75A-4 and Johnson 500

Yahoo group: glowbugradio
Date: 2014-07-25 17:12:07 UTC
From: Kenneth G. Gordon
Topic: 1911 Message: 1911

A fellow-ham in Oregon just sent me two links to the above gear being offered for sale on Craigslist in Corvallis, OR.

The fellow who owns them, although not a ham, knows enough not to plug the gear in and turn it on without checking it throughly.

He also is NOT interested in trying to eBay the stuff, but he would like to get some sort of ball-park figure for its value.

Both pieces, from my cursory examination of the photos, and from talking with the guy on the telephone, appear to be in excellent condition. They were both apparently very well taken care of by their original owner.

I had estimated the value of the 75A-4 at around $750, but have no clear idea of the present value of the Johnson 500. The power supply is...um..."rather large", shall we say, and also appears to be in excellent condition.

Can anyone offer a suggested value that I might pass on to this fellow, and a possible venue where the stuff might be sold, OTHER THAN eBay?

QRZ.com has been suggested to him so far.

Not that I wouldn't mind having the stuff myself, but I am trying to downsize, and not add something this large...even if I could afford it.,,which I can't.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1912. Re: [glowbugradio] 75A-4 and Johnson 500

Yahoo group: glowbugradio
Date: 2014-07-25 17:57:37 UTC
From: Jim Strohm
Topic: 1911 Message: 1912

And if anybody's interested (and if yahell does not munge the links)

<http://corvallis.craigslist.org/ele/4586249170.html>
<http://corvallis.craigslist.org/ele/4586241258.html>

They both look really sweet.

73
Jim N6OTQ

1913. Re: [glowbugradio] 75A-4 and Johnson 500

Yahoo group: glowbugradio
Date: 2014-07-25 17:59:19 UTC
From: Carl
Topic: 1911 Message: 1913

The 500 can go for $1500 to $6000 between very nice and museum quality.

OTOH an offer of $750-1000 would be more than a fair price from someone not loaded with money, or a fanatic collector. Considering that it is 2X the power of the Valiant that is more than a linear price increase.

It will likely also require a complete overhaul to be useable wheras a collector will just park it.

The 75A4 price is determined by serial #, filters included, plus condition and lack of hacks.
Prices can range $250-750 and have gone down the past few years as has most vintage gear.

Carl
KM1H

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: Glowbugradio@yahoogroups.com
Sent: Friday, July 25, 2014 1:12 PM
Subject: [glowbugradio] 75A-4 and Johnson 500

A fellow-ham in Oregon just sent me two links to the above gear being
offered for sale on Craigslist in Corvallis, OR.

The fellow who owns them, although not a ham, knows enough not to plug
the gear in and turn it on without checking it throughly.

He also is NOT interested in trying to eBay the stuff, but he would like to get
some sort of ball-park figure for its value.

Both pieces, from my cursory examination of the photos, and from talking with
the guy on the telephone, appear to be in excellent condition. They were both
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I had estimated the value of the 75A-4 at around $750, but have no clear idea
of the present value of the Johnson 500. The power supply is...um..."rather
large", shall we say, and also appears to be in excellent condition.

Can anyone offer a suggested value that I might pass on to this fellow, and a
possible venue where the stuff might be sold, OTHER THAN eBay?

QRZ.com has been suggested to him so far.

Not that I wouldn't mind having the stuff myself, but I am trying to downsize,
and not add something this large...even if I could afford it.,,which I can't.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7918 - Release Date: 07/25/14

1914. W2AU balun

Yahoo group: glowbugradio
Date: 2014-08-04 22:18:10 UTC
From: Kenneth G. Gordon
Topic: 1914 Message: 1914

While digging through my crap here, I found two W2AU Baluns, one of which is brand-new.

Although I don't know this for certain, it is my understanding that these things are not worth much. I have no idea what they are like inside.

Anyone know much about them?

Ken W7EKB

1915. Re: [glowbugradio] W2AU balun

Yahoo group: glowbugradio
Date: 2014-08-04 23:23:27 UTC
From: Robert Nickels
Topic: 1914 Message: 1915

On 8/4/2014 5:18 PM, 'Kenneth G. Gordon' kgordon2006@...
[glowbugradio] wrote:
> W2AU Baluns

Ken, in my experience the only constructive use for these things is
sledgehammer testing.

73, Bob W9RAN

1916. Re: [glowbugradio] W2AU balun

Yahoo group: glowbugradio
Date: 2014-08-04 23:26:40 UTC
From: Kenneth G. Gordon
Topic: 1914 Message: 1916

On 4 Aug 2014 at 18:23, Robert Nickels w9ran@... [glowbu wrote:

>
>
> On 8/4/2014 5:18 PM, 'Kenneth G. Gordon' kgordon2006@...m
> [glowbugradio] wrote:
> > W2AU Baluns
>
> Ken, in my experience the only constructive use for these things is
> sledgehammer testing.
>
> 73, Bob W9RAN

Thanks, Bob. I had thought as much. I have two here: a "Beam Balun" and a
1:1 dipole balun.

Guess I'll eBay 'em. ;-)

Ken W7EKB

1917. Re: [glowbugradio] W2AU balun

Yahoo group: glowbugradio
Date: 2014-08-04 23:26:53 UTC
From: Kenneth G. Gordon
Topic: 1914 Message: 1917

On 4 Aug 2014 at 18:23, Robert Nickels w9ran@... [glowbu wrote:

>
>
> On 8/4/2014 5:18 PM, 'Kenneth G. Gordon' kgordon2006@...m
> [glowbugradio] wrote:
> > W2AU Baluns
>
> Ken, in my experience the only constructive use for these things is
> sledgehammer testing.
>
> 73, Bob W9RAN

Thanks, Bob. I had thought as much. I have two here: a "Beam Balun" and a
1:1 dipole balun.

Guess I'll eBay 'em. ;-)

Ken W7EKB

1918. Re: [glowbugradio] W2AU balun

Yahoo group: glowbugradio
Date: 2014-08-05 02:40:25 UTC
From: Carl
Topic: 1914 Message: 1918

Those are voltage baluns and do nothing for common mode; you have to add a current balun after it.

Carl
KM1H

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: Glowbugradio@yahoogroups.com
Sent: Monday, August 04, 2014 6:18 PM
Subject: [glowbugradio] W2AU balun

While digging through my crap here, I found two W2AU Baluns, one of which is brand-new.

Although I don't know this for certain, it is my understanding that these things are not worth much. I have no idea what they are like inside.

Anyone know much about them?

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7978 - Release Date: 08/04/14

1919. Super Regenerative and Xtal TX netting

Yahoo group: glowbugradio
Date: 2014-08-05 20:08:48 UTC
From: tannebri@...
Topic: 1919 Message: 1919

Hello all from a convert to Glowbugs.

Having just completed the 6V6 Crystal controlled TX (got 8 40M CW crystals) and 3 tube super regenerative RX. I was wondering, In days of old how did they net on a TX frequency when using a Super regenerative receiver?

It's bad enough doing it now using a separate RX listening for the TX then tuning in the regen RX oscillations. What was the trick?

Or

As I suspect they not bother and just listen for someone answering there call, ie were every the other chap had a crystal for, split operation.

Brian G6HUI

PS if you hear me on 40mM CW I might not be listening on the transmit frequency HiHi.

1920. Re: Super Regenerative and Xtal TX netting

Yahoo group: glowbugradio
Date: 2014-08-06 17:58:47 UTC
From: k7mem@...
Topic: 1919 Message: 1920

I have operated separates a lot over the years (~50). In fact, I prefer working with separate RX/TX. To me, it gives me more flexibility.

You should always be listening on, or near, your transmitting frequency, for many reasons. It is always up to the operator to know their operating frequency and know that it is in-band.

First and foremost reason is, you need to be sure your transmitting frequency is clear. You shouldn't just plug in crystals and hope for the best. This is generally accomplished with a "spot" function on your transmitter. This keys the oscillator in a low power mode, so that you can identify your operating frequency on your RX. If you don't have a "spot" function, you might want to run your TX into a dummy load, and then key the TX to identity yourself.

A separate low power oscillator may be the way to go. Just plug the crystal oscillator to ID youself, and then switch it back to your TX. But that would get old real quick.

Another approach is to test the crystals in advance, so you know exactly what frequency they are on. Old crystals may have move a bit, or become erratic with age. Most good RF Signal Generators have a crystal test capability. Then add some calibrations to your RX. This can be done with a crystal calibrator with markers down to 5 KHz.

Another good reason to be be listening on, or near, your transmitting frequency is that, many responses will be from hams that are running transceivers. They may not have the "split" capability enabled and will be answering right on your TX frequency.

When I am operating with separates, I usually start by tuning around listening for a CQ. When I hear one, I hit the "spot" switch, zero beat the CQ with my TX, and then wait for the "k" at the end. If you have a VFO, that's pretty simple. With crystals, you would just select the crystal that is closest to the CQ frequency. As long as the band is not crowded, you shouldn't have any issues with being off frequency. Except for the other operator being forced to use his RIT.

Martin - K7MEM

1921. VLF tracking receivers.

Yahoo group: glowbugradio
Date: 2014-08-08 21:07:12 UTC
From: Kenneth G. Gordon
Topic: 1921 Message: 1921

Gents:

While going through my "junque" I find several VLF Phase-tracking receivers.

Three Tracor 599s of various vintages (one of which is labeled R-1086/URR), and one labeled RMS Engineering Phase-tracking Receiver Model 1312.

I have a manual for the Tracor 599J, which seems to cover most of what I have here.

I do not have a manual for the RMS Engineering job, although I did find a Canadian report describing that receiver in a rather unflattering way.

Although it is 1/2 the height of the Tracor models, it weighs almost as much, and despite having a digital readout, it was described in the Canadian paper as being very poorly constructed, having double the number of parts as the Tracors, and having burnt out (!?) while it was being tested in their lab before it was ever moved aboard ship.

Anyway, I am wondering if there might be someone who would be interested in buying these boaranchors?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

1922. Tracor 599

Yahoo group: glowbugradio
Date: 2014-08-08 23:19:34 UTC
From: Kenneth G. Gordon
Topic: 1922 Message: 1922

Gee....

Interesting: the equipment tunes in 50 Hz steps from 5 Khz through 99.95 Khz, usable down to 3 KHz.

Sensitivity is 0.01 microvolt from 3 to 30 Khz and 0.02 microvolt from 30 to 99.95 Khz.

Input impedance is 50 ohms, nominally, via a BNC connector.

Hmmm.....maybe I should try to fire it up...

Ken W7EKB

1923. T-368 exciter question

Yahoo group: glowbugradio
Date: 2014-08-27 19:24:01 UTC
From: Chip
Topic: 1923 Message: 1923

As many are aware the exciter from the military T-368 transmitter makes a good vfo / driver for other equipment. The main drawback with this unit is the use of a type 6000 tube as the output stage. This can be dealt with by replacing the 6000 with a 6146 (requires socket re-wiring).

A friend has such an exciter and has performed the modification but isn't getting enough signal to drive the 6146. He has 600 volts on the 6146 plate and 150 volts on the screen. If anyone has done this modification and can check the drive level at the grid of the 6146 I'd appreciate hearing from them. My friend is in Florida and I'm in Colorado so kinda hard to make the measurement myself!

thanks,

Chip NW0O

1924. Re: [glowbugradio] T-368 exciter question

Yahoo group: glowbugradio
Date: 2014-08-27 20:40:12 UTC
From: Carl
Topic: 1923 Message: 1924

How much is a NIB (sealed military box) 6000 worth?

Carl
KM1H

----- Original Message -----
From: "Chip nw0ochip@... [glowbugradio]"
<glowbugradio@yahoogroups.com>
To: <glowbugradio@yahoogroups.com>
Sent: Wednesday, August 27, 2014 3:24 PM
Subject: [glowbugradio] T-368 exciter question

As many are aware the exciter from the military T-368 transmitter makes a good vfo / driver for other equipment. The main drawback with this unit is the use of a type 6000 tube as the output stage. This can be dealt with by replacing the 6000 with a 6146 (requires socket re-wiring).

A friend has such an exciter and has performed the modification but isn?t getting enough signal to drive the 6146. He has 600 volts on the 6146 plate and 150 volts on the screen. If anyone has done this modification and can check the drive level at the grid of the 6146 I?d appreciate hearing from them. My friend is in Florida and I?m in Colorado so kinda hard to make the measurement myself!

thanks,

Chip NW0O

Yahoo Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 4007/8110 - Release Date: 08/27/14

1925. Re: [glowbugradio] T-368 exciter question

Yahoo group: glowbugradio
Date: 2014-08-27 20:48:27 UTC
From: Jim Strohm
Topic: 1923 Message: 1925

Carl,

I just checked on Kitco.com, and unobtainium costs $2373 per ounce in 1-ounce ingots, and $2402 in private-label 1-ounce rounds. They have 8873 rounds, but not 6000 rounds....

This is all new manufacture stuff.

73
Jim N6OTQ

On Wed, Aug 27, 2014 at 3:40 PM, 'Carl' km1h@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

> How much is a NIB (sealed military box) 6000 worth?
>
> Carl
> KM1H
>

1926. Re: [glowbugradio] T-368 exciter question

Yahoo group: glowbugradio
Date: 2014-08-27 23:54:10 UTC
From: Carl
Topic: 1923 Message: 1926

I also have a pair of NIB 8873's from the great god of San Carlos. Those Im keeping for the portable 6M SB-230 plus a stock one which make a good driver amp (-;

Carl

----- Original Message -----
From: Jim Strohm jim.strohm@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Wednesday, August 27, 2014 4:48 PM
Subject: Re: [glowbugradio] T-368 exciter question

Carl,

I just checked on Kitco.com, and unobtainium costs $2373 per ounce in 1-ounce ingots, and $2402 in private-label 1-ounce rounds. They have 8873 rounds, but not 6000 rounds....

This is all new manufacture stuff.

73

Jim N6OTQ

On Wed, Aug 27, 2014 at 3:40 PM, 'Carl' km1h@... [glowbugradio]
<glowbugradio@yahoogroups.com> wrote:

How much is a NIB (sealed military box) 6000 worth?

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 4007/8110 - Release Date: 08/27/14

1927. Re: [glowbugradio] T-368 exciter question

Yahoo group: glowbugradio
Date: 2014-08-28 01:32:25 UTC
From: Charles MacDonald
Topic: 1923 Message: 1927

On 14-08-27 04:40 PM, 'Carl' km1h@... [glowbugradio] wrote:
> How much is a NIB (sealed military box) 6000 worth?
>

Probably whatever the owner wants for it, that is one weird tube, a
Tung-Sol design with a Funky 26.5 Volt 280ma Heater. supposed to be good
for 35Watts at 70MHz back in 1961.

Outline drawing looks like a 6L6GC, but it is specified as a T-11 Bulb.

would not be surprised if that particular radio or it's close relatives
were the only place it was used.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1928. Boatanchors on the air

Yahoo group: glowbugradio
Date: 2014-09-07 18:43:19 UTC
From: J.D. MacAulay, WQ8U
Topic: 1928 Message: 1928

The Classic Exchange (CX) phone section will be next Sunday (9/15) and the CW section will be the following Sunday (9/22). A great time to hear real boat anchors on the air and work them. This is a low key competition, actually, it is an on-air celebration of these good old rigs. Details are at the CX web site CLASSIC EXCHANGE - CX - SEPTEMBER 2014.

While you are there be sure to browse the CX Newsletter from the January 2014 CX to get the flavor of the CX and enjoy some of the experiences of participants, such as who had the unusual rigs, most noteworthy (chirpy?) signal and the story of a receiver recovery "How The Fat Lady Got Her Voice Back."

Hope you will join us in reliving those joyful days of boat anchors on the air.

73

Mac
WQ8U
Hillsborough, NC

1929. Re: [glowbugradio] Boatanchors on the air

Yahoo group: glowbugradio
Date: 2014-09-08 00:06:43 UTC
From: Glen Zook
Topic: 1928 Message: 1929

Methinks someone is reading the calendar wrong! Next Sunday is the 14th and the following Sunday is the 21st!

Glen, K9STH

Website: http://k9sth.net

On Sunday, September 7, 2014 1:46 PM, "'J.D. MacAulay, WQ8U' jmac6235@... [glowbugradio]" <glowbugradio@yahoogroups.com> wrote:

The Classic Exchange (CX) phone section will be next Sunday (9/15) and the CW section will be the following Sunday (9/22). A great time to hear real boat anchors on the air and work them. This is a low key competition, actually, it is an on-air celebration of these good old rigs. Details are at the CX web site CLASSIC EXCHANGE - CX - SEPTEMBER 2014.

While you are there be sure to browse the CX Newsletter from the January 2014 CX to get the flavor of the CX and enjoy some of the experiences of participants, such as who had the unusual rigs, most noteworthy (chirpy?) signal and the story of a receiver recovery "How The Fat Lady Got Her Voice Back."

Hope you will join us in reliving those joyful days of boat anchors on the air.

73

Mac
WQ8U
Hillsborough, NC

1930. CORRECTION: Boatanchors On The Air

Yahoo group: glowbugradio
Date: 2014-09-08 15:44:37 UTC
From: J.D. MacAulay, WQ8U
Topic: 1930 Message: 1930

Apparently my calendar is broken.

The correct starting date for the Phone CX is Sunday September 14
and for the CW CX it is Sunday September 21

Also for those of you having trouble finding the CX website, the URL is:
www.classicexchange.org

Sorry for the confusion. Hope to work you in CX.

73

Mac
WQ8U
Hillsborough, NC

1931. Direct conversion RX/TX

Yahoo group: glowbugradio
Date: 2015-01-04 20:51:37 UTC
From: tannebri1@...
Topic: 1931 Message: 1931

Hi All

Direct conversion RX/TX designs has anyone seen any articles on one of these using valves/tubes. I just want to get some ideas.

Happy new year

Brian

1932. 2" Diameter Skirted and Fluted Daka-Ware Knobs

Yahoo group: glowbugradio
Date: 2015-02-07 18:17:54 UTC
From: pulsarxp@...
Topic: 1932 Message: 1932

I am restoring an old Eldico TR-75TV Novice CW transmitter and need two, 2" diameter skirted Daka-Ware knobs. The knob has flutes on the main part of the knob. (Collins used a lot of Daka-Ware knobs of this type on their older St James Gray equipment.) Anyone out there with a couple I could buy from you?

I also need three knobs around one inch in diameter for the project. They need to be something similar to the above but should not be skirted. A pointer would be nice or at least a hash mark as a pointer on the knob.

The two main knobs are my biggest concern right now.

Can anyone help?

Lee, w0vt
pulsarxp@embarqmail.com

1933. Re: [glowbugradio] 2" Diameter Skirted and Fluted Daka-Ware Knobs

Yahoo group: glowbugradio
Date: 2015-02-07 18:35:23 UTC
From: Kenneth G. Gordon
Topic: 1932 Message: 1933

On 7 Feb 2015 at 10:17, pulsarxp@... [glowbugradio] wrote:

> I also need three knobs around one inch in diameter for the project. They need
> to be something similar to the above but should not be skirted. A pointer
> would be nice or at least a hash mark as a pointer on the knob.

Radio Shack has (or had) some very nice fluted black hard-plastic knobs with
a brass insert and set-screw, and a hash-mark molded into them in various
sizes, including 1".

They came in packages of two.

I have used them on a lot of gear here, on which the knobs were either
missing or were bad.

I MAY be able to send you a photo if you want it.

Ken W7EKB

1934. Re: [glowbugradio] 2" Diameter Skirted and Fluted Daka-Ware Knobs

Yahoo group: glowbugradio
Date: 2015-02-07 19:58:22 UTC
From: Rod Hogg
Topic: 1932 Message: 1934

Lee,
You might checkout MFJ. They list their 760-2281-1 which is a 2" skirt knob??? $3.50@.

Rod
KØEQH

On Sat, 2/7/15, pulsarxp@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

Subject: [glowbugradio] 2" Diameter Skirted and Fluted Daka-Ware Knobs
To: glowbugradio@yahoogroups.com
Date: Saturday, February 7, 2015, 12:17 PM

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transmitter and need
two, 2" diameter skirted Daka-Ware knobs. The knob
has flutes on the main part
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knob.

The two main knobs are my biggest concern right
now.

Can anyone help?

Lee, w0vt
pulsarxp@...

1935. ELDICO TR-75TV

Yahoo group: glowbugradio
Date: 2015-02-08 19:37:14 UTC
From: L L bahr
Topic: 1932 Message: 1935

I am restoring an old ELDICO TR-75TV transmitter. Is there anyone on here with the scoop why there is no coil winding chart for this plug in coil transmitter? BAMA has a chart but I think it was not from ELDICO and the chart is corrupted so the data is worthless. I just bought a nice REPRINT manual for the transmitter, but the only thing it says about the coils is, "You now can wind the coils for the band of choice!" I can't understand why a manual would not include coil winding data for all bands. However this manual gives no info for any band. (I suspect my manual is complete and ELDICO just did not publish any coil data.)

Anyone on here with a clue as to why there is no coil winding data? Anyone have any non corrupted data on how to wind coils for this transmitter? For the life of me I have never seen anything like this before now. I'm sure I can calculate what I need myself but this just seems ridiculous a manufacturer would not do all this for their owners. ELDICO once said 3 out of 4 kids used ELDICO during their NOVICE days. Can you imagine a 13 year old kid figuring out how to wind the necessary coils on his own?

Are there any ELDICO TR-75TV experts on here? I had one as a kid but I bought it used back then. I used it on 80 and 40 meters. The output tank circuit is really strange. ELDICO was trying to fight TVI back then. My original transmitter had a two terminal strip on the output. My new manual doesn't even list this terminal strip in the parts list nor refer to one in the manual. In fact it doesn't even tell or show you how to terminate the transmitter's output.

Lee, w0vt

1936. Re: [glowbugradio] ELDICO TR-75TV

Yahoo group: glowbugradio
Date: 2015-02-08 19:51:20 UTC
From: oldradio@...
Topic: 1932 Message: 1936
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Lee,

Attached manual has coil data on the last page.

73, John Dilks, K2TQN

----- Original Message -----
From: "'L L bahr ' pulsarxp@embarqmail.com [glowbugradio]" <glowbugradio@yahoogroups.com>
To: glowbugradio@yahoogroups.com
Sent: Sunday, February 8, 2015 2:37:14 PM
Subject: [glowbugradio] ELDICO TR-75TV

I am restoring an old ELDICO TR-75TV transmitter. Is there anyone on here with the scoop why there is no coil winding chart for this plug in coil transmitter? BAMA has a chart but I think it was not from ELDICO and the chart is corrupted so the data is worthless. I just bought a nice REPRINT manual for the transmitter, but the only thing it says about the coils is, "You now can wind the coils for the band of choice!" I can't understand why a manual would not include coil winding data for all bands. However this manual gives no info for any band. (I suspect my manual is complete and ELDICO just did not publish any coil data.)

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Lee, w0vt

1937. Re: [glowbugradio] ELDICO TR-75TV [1 Attachment]

Yahoo group: glowbugradio
Date: 2015-02-08 20:03:48 UTC
From: L L bahr
Topic: 1932 Message: 1937

This is the BAMA manual with the totally useless corrupted coil winding data. It is of no value. Thanks anyway.

Lee, w0vt

----- Original Message -----

From: "oldradio@... [glowbugradio]" <glowbugradio@yahoogroups.com>
To: "glowbugradio List" <glowbugradio@...m>
Sent: Sunday, February 8, 2015 1:51:20 PM
Subject: Re: [glowbugradio] ELDICO TR-75TV [1 Attachment]

[Attachment(s) from oldradio@comcast.net included below]
Hi Lee,

Attached manual has coil data on the last page.

73, John Dilks, K2TQN

----- Original Message -----
From: "'L L bahr ' pulsarxp@... [glowbugradio]" <glowbugradio@yahoogroups.com>
To: glowbugradio@yahoogroups.com
Sent: Sunday, February 8, 2015 2:37:14 PM
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Lee, w0vt

1938. Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-10 02:48:14 UTC
From: John Ruccolo
Topic: 1938 Message: 1938

Hi Folks,

Late last year I acquired, much to my amazement, a 75A-4. Both 6BA7 mixer stages had been modified back in the 60's (got some paperwork with it) -- one was replaced with a 6EA8/6U8, the other with a 6201/12AT7. What's going on? What was the "problem" with the 6BA7 mixers? Noise? Intermod? Apparently there were several articles on this topic in 1960's ham radio magazines.

I was glad to get the A-4, because I'd like to know what all the fuss is about regarding this legendary receiver (and what it *was* about, back in the day). This is my first A-line receiver.

Comments/ideas/suggestions welcome.

Regards,

John

1939. 1930's SSB

Yahoo group: glowbugradio
Date: 2015-02-10 09:10:20 UTC
From: tannebri1@...
Topic: 1939 Message: 1939

Hi All

Anyone any idea what method Robert M. Moore, W6DEI.used to generate SSB in the 30's.

I'm lloking to try and replicate a 30's SSB transmitter.

Thanks Brian

1940. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-10 13:31:58 UTC
From: Carl
Topic: 1938 Message: 1940

The dual triode mixer was a big improvement over the 6BA7's which were noisy and overload prone the way they were used.
I modified my A4 in 65 using 7360's which were darn near overload proof and used a 6GM6 RF amp to bring the 10M noise figure down to about 6dB. It was about 12-13 dB when I got the set, replaced all the Black Beauty caps, selected tubes, and gave it a good alignment. I was a Service Tech at National Radio at the time and had the help of a couple of engineers to keep me on the right path.

That radio is still in use, along with a few other mods, and is my ultimate deep digging into the noise CW radio, especially on 160/80 with low noise RX antennas. It has no discernable phase noise, exellent non tiring audio, and brick wall skirts with cascaded filters.

My primary HF gear is a highly modified TS-940 and TS-950SD which are no slouches.

If I were to do it again I might have used 6ES8's in a Pullen mixer which is the ultimate for signal handling and low noise.
I do have a 75A3 and NC-300, which both use 6BA7's, to give it a try if I ever get the time.

Carl
KM1H

----- Original Message -----
From: John Ruccolo jr6v6gt@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Monday, February 09, 2015 9:48 PM
Subject: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Hi Folks,

Late last year I acquired, much to my amazement, a 75A-4. Both 6BA7 mixer stages had been modified back in the 60's (got some paperwork with it) -- one was replaced with a 6EA8/6U8, the other with a 6201/12AT7. What's going on? What was the "problem" with the 6BA7 mixers? Noise? Intermod? Apparently there were several articles on this topic in 1960's ham radio magazines.

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Comments/ideas/suggestions welcome.

Regards,

John

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5645 / Virus Database: 4284/9089 - Release Date: 02/10/15

1941. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-10 13:41:34 UTC
From: Paul Christensen
Topic: 1938 Message: 1941

Carl,

I recently purchased a copy of “Collins 75A-4 Modifications Compendium” from Electric Radio Magazine. I’ve read through some of the mods but haven’t added any to my 75A4.

One set of mods came from a past neighbor of mine, Bob Stankus, K4NV (SK). That set looks like a very invasive change. Trying to decide on what to change versus cost, complexity, and possible devaluation isn’t an easy decision. I’m less concerned about the latter if the mod reflects what could have been done at the time of production with then-available components.

Paul, W9AC
From: mailto:glowbugradio@yahoogroups.com
Sent: Tuesday, February 10, 2015 8:31 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

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Carl
KM1H

----- Original Message -----
From: mailto:jr6v6gt@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Monday, February 09, 2015 9:48 PM
Subject: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

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Regards,

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1942. Re: [glowbugradio] 1930's SSB

Yahoo group: glowbugradio
Date: 2015-02-10 14:02:27 UTC
From: Carl
Topic: 1939 Message: 1942

The basic design from WE/Bell was done at audio frequencies so it could be transmitted over long distance lines which was further developed into FDM by the early 30's.
Parallel developments were done by many at VLF frequencies and later into MF and HF as stability methods were developed and realization that those frequencies were useful.
Over the air commercial and later by hams in the 30's used LC RF filtering around 20-50 kHz followed by mixers.

Much the same was picked up again by hams after WW2 using similar frequencies and then 455 kHz LC filters, and soon followed by the WW2 surplus FT-141 455 kHz crystals and the Collins mechanical filter.

Hallicrafters used 50 kHz in their mid 50's HT-30 as well as in several receivers.

The phasing method was also very popular post WW2 into the 60's and is the method used in SDR's so that has come full cycle. SSB in a chip.

Carl
KM1H

----- Original Message -----
From: tannebri1@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 10, 2015 4:10 AM
Subject: [glowbugradio] 1930's SSB

Hi All

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Thanks Brian

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1943. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-10 14:04:28 UTC
From: Carl
Topic: 1938 Message: 1943

Paul, if you could send me a copy of that Id appreciate it and then can offer comments.

Carl

----- Original Message -----
From: 'Paul Christensen' w9ac@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 10, 2015 8:41 AM
Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Carl,

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Paul, W9AC
From: mailto:glowbugradio@yahoogroups.com
Sent: Tuesday, February 10, 2015 8:31 AM
To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

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KM1H

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From: mailto:jr6v6gt@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Monday, February 09, 2015 9:48 PM
Subject: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

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1944. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-10 14:11:07 UTC
From: tvamfm@...
Topic: 1938 Message: 1944

In a message dated 2/10/2015 8:41:38 A.M. Eastern Standard Time, glowbugradio@yahoogroups.com writes:

Carl,

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Sent: Tuesday, February 10, 2015 8:31 AM
To: _glowbugradio@yahoogroups.com_ (mailto:glowbugradio@yahoogroups.com)
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Carl
KM1H

----- Original Message -----
From: _mailto:jr6v6gt@... [glowbugradio]_
(mailto:jr6v6gt@yahoo.com%20[glowbugradio])
To: _glowbugradio@yahoogroups.com_ (mailto:glowbugradio@yahoogroups.com)
Sent: Monday, February 09, 2015 9:48 PM
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Regards,

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Version: 2015.0.5645 / Virus Database: 4284/9089 - Release Date: 02/10/15

1945. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-10 14:33:14 UTC
From: Carl
Topic: 1938 Message: 1945

No message received!

Carl

----- Original Message -----
From: tvamfm@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 10, 2015 9:11 AM
Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

In a message dated 2/10/2015 8:41:38 A.M. Eastern Standard Time, glowbugradio@yahoogroups.com writes:

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To: glowbugradio@yahoogroups.com
Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

The dual triode mixer was a big improvement over the 6BA7's which were noisy and overload prone the way they were used.
I modified my A4 in 65 using 7360's which were darn near overload proof and used a 6GM6 RF amp to bring the 10M noise figure down to about 6dB. It was about 12-13 dB when I got the set, replaced all the Black Beauty caps, selected tubes, and gave it a good alignment. I was a Service Tech at National Radio at the time and had the help of a couple of engineers to keep me on the right path.

That radio is still in use, along with a few other mods, and is my ultimate deep digging into the noise CW radio, especially on 160/80 with low noise RX antennas. It has no discernable phase noise, exellent non tiring audio, and brick wall skirts with cascaded filters.

My primary HF gear is a highly modified TS-940 and TS-950SD which are no slouches.

If I were to do it again I might have used 6ES8's in a Pullen mixer which is the ultimate for signal handling and low noise.
I do have a 75A3 and NC-300, which both use 6BA7's, to give it a try if I ever get the time.

Carl
KM1H

----- Original Message -----
From: mailto:jr6v6gt@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Monday, February 09, 2015 9:48 PM
Subject: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Hi Folks,

Late last year I acquired, much to my amazement, a 75A-4. Both 6BA7 mixer stages had been modified back in the 60's (got some paperwork with it) -- one was replaced with a 6EA8/6U8, the other with a 6201/12AT7. What's going on? What was the "problem" with the 6BA7 mixers? Noise? Intermod? Apparently there were several articles on this topic in 1960's ham radio magazines.

I was glad to get the A-4, because I'd like to know what all the fuss is about regarding this legendary receiver (and what it *was* about, back in the day). This is my first A-line receiver.

Comments/ideas/suggestions welcome.

Regards,

John

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5645 / Virus Database: 4284/9089 - Release Date: 02/10/15

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5645 / Virus Database: 4284/9089 - Release Date: 02/10/15

1946. Soft start

Yahoo group: glowbugradio
Date: 2015-02-10 14:56:37 UTC
From: cullenl@...
Topic: 1946 Message: 1946

I know that the question has been discussed in general before but one implementation was not reviewed iin detail. Some time ago there were products and kits which used a 10 ohm resistor and a CL-90 thermistor in series to provide a soft start for a typical tube type receiver. Then the products vainshed. I like the idea of a startup over a few seconds. What says the Group? I see the problem for a transmitter, but a receiver has almost constant consumption.
Regards, cullen K5HAL

1947. Re: [glowbugradio] Soft start

Yahoo group: glowbugradio
Date: 2015-02-10 16:37:38 UTC
From: Carl
Topic: 1946 Message: 1947

The CL-90 operates efficienty over a fairly narrow current range and even then runs rather warm. On either side it heats up rapidly and many have reported radio damage when they fail.

Even in a perfect enviroment they do not have an infinite life and every line spike eats away a bit of the internals until it shorts.

I much prefer a bucking transformer and use them for individual radios as well as larger amperage ones to handle a full bench.
The small Rat Shack 12V 3A for instance can handle a 660W load for instance at 120VAC but common sense requires about a 60-75% load

Carl
KM1H

----- Original Message -----
From: cullenl@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 10, 2015 9:56 AM
Subject: [glowbugradio] Soft start

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Checked by AVG - www.avg.com
Version: 2015.0.5645 / Virus Database: 4284/9089 - Release Date: 02/10/15

1948. Re: [glowbugradio] Soft start

Yahoo group: glowbugradio
Date: 2015-02-10 17:21:38 UTC
From: cullenl@...
Topic: 1946 Message: 1948

Carl
Thank you very much. That is the information I was seeking. The RS online catalog shows the transformer at $11.99. Have you a good solution to packaging this? It is a little too large for my very convenient plug in boxes? I am sure that I am not alone in this. I was about to add surge suppressors to the present boxes.
Have you thoughts,opinions about the HQ-150?
(Pleased to see you back and active on the Group, your knowledge is valued highly.)
Regards, cullen K5HAL

In a message dated 2/10/2015 11:33:12 A.M. Eastern Standard Time, glowbugradio@yahoogroups.com writes:

☐

The CL-90 operates efficienty over a fairly narrow current range and even then runs rather warm. On either side it heats up rapidly and many have reported radio damage when they fail.

1949. Re: [glowbugradio] Soft start

Yahoo group: glowbugradio
Date: 2015-02-10 17:46:49 UTC
From: Carl
Topic: 1946 Message: 1949

I have a small 2A version under a HQ-140X which I believe was from RS 20+ years ago but often available at All Electronics, Parts Express, MCM Electronics and elsewhere.
Others are built into a regular outlet box which sits on the floor with a pigtail into the wall outlet. A on-off switch and LED is included since the magnetizing current does consume a little power and considering how many I have scattered around feeding ham and consumer level Philco, Zenith, etc it adds up.

Carl
KM1H

----- Original Message -----
From: cullenl@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Tuesday, February 10, 2015 12:21 PM
Subject: Re: [glowbugradio] Soft start

Carl
Thank you very much. That is the information I was seeking. The RS online catalog shows the transformer at $11.99. Have you a good solution to packaging this? It is a little too large for my very convenient plug in boxes? I am sure that I am not alone in this. I was about to add surge suppressors to the present boxes.
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5645 / Virus Database: 4284/9090 - Release Date: 02/10/15

1950. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-15 03:01:55 UTC
From: John Ruccolo
Topic: 1938 Message: 1950

Carl,

Thanks for your reply and the info. A couple more questions

1) I guess I should leave the mixer mods as-is, and not try to back it out to the original 6BA7 design?

2) Why did they use a dual triode for one mixer, and a triode/pentode for the other? Why not just use two 12AU7's?

3) Considering what the 75A-4 cost new, do you think the "average ham" was better off with something like a Drake 2B?

73,

John----------
On Tue, 2/10/15, 'Carl' km1h@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?
To: glowbugradio@yahoogroups.com
Date: Tuesday, February 10, 2015, 8:31 AM

The dual triode mixer
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I modified my A4 in 65
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Carl
KM1H

----- Original Message -----

From:
John Ruccolo jr6v6gt@...
[glowbugradio]
To: glowbugradio@yahoogroups.com

Sent: Monday,
February 09, 2015 9:48
PM
Subject:
[glowbugradio] Collins 75A-4
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Hi Folks,

Late last
year I acquired, much to my amazement, a 75A-4.
Both 6BA7 mixer stages had been modified back in the
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What's going on? What was the "problem" with
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No virus found in this
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Version: 2015.0.5645 / Virus
Database: 4284/9089 - Release Date:
02/10/15

1951. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-15 03:47:59 UTC
From: Charles MacDonald
Topic: 1938 Message: 1951

On 15-02-14 10:01 PM, John Ruccolo jr6v6gt@... [glowbugradio] wrote:

> 2) Why did they use a dual triode for one mixer, and a triode/pentode for the other? Why not just use two 12AU7's?
>

Not sure why the difference but the 6U8 was a common TV tuner converter,
as was the 12AT7, although the 6EA8/6U8 was later.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1952. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-15 14:37:53 UTC
From: Carl
Topic: 1938 Message: 1952

----- Original Message -----
From: John Ruccolo jr6v6gt@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 14, 2015 10:01 PM
Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Carl,

Thanks for your reply and the info. A couple more questions

1) I guess I should leave the mixer mods as-is, and not try to back it out to the original 6BA7 design?

** Not unless you want to go backwards in performance. That was the W2VCZ mod.

2) Why did they use a dual triode for one mixer, and a triode/pentode for the other? Why not just use two 12AU7's?

** That was the way VCZ designed it in the early 60's and it had comparable conversion gain to the 6BA7. The system noise figure is already established by the RF and first mixer. The 12AT7 is a two stage mixer.

3) Considering what the 75A-4 cost new, do you think the "average ham" was better off with something like a Drake 2B?

** I went from a one year old 2B/2BQ to an old A4 as it was a poor performer IMO. Overloaded easy on good antennas, audio was poor, filter skirts poor, several birdies on 10M, etc. Drake didnt have a high performance ham receiver until the R4B. When the contesting and DX world went to transceivers I went with a pair of C Lines and after some Sherwood and other mods it became superb....but I always kept the A4 for some reason....and damn glad of it now.

Carl
KM1H

73,

John----------
On Tue, 2/10/15, 'Carl' km1h@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?
To: glowbugradio@yahoogroups.com
Date: Tuesday, February 10, 2015, 8:31 AM

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to give it a try if I ever get the time.

Carl
KM1H

----- Original Message -----

From:
John Ruccolo jr6v6gt@...
[glowbugradio]
To: glowbugradio@yahoogroups.com

Sent: Monday,
February 09, 2015 9:48
PM
Subject:

[glowbugradio] Collins 75A-4
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Hi Folks,

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Both 6BA7 mixer stages had been modified back in the
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No virus found in this
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Version: 2015.0.5645 / Virus
Database: 4284/9089 - Release Date:
02/10/15

1953. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-15 14:38:26 UTC
From: Carl
Topic: 1938 Message: 1953

----- Original Message -----
From: Charles MacDonald aa508@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Saturday, February 14, 2015 10:47 PM
Subject: Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

On 15-02-14 10:01 PM, John Ruccolo jr6v6gt@... [glowbugradio] wrote:

> 2) Why did they use a dual triode for one mixer, and a triode/pentode for
> the other? Why not just use two 12AU7's?
>

Not sure why the difference but the 6U8 was a common TV tuner converter,
as was the 12AT7, although the 6EA8/6U8 was later.

--
Charles MacDonald Stittsville Ontario

The 6U8 was fairly short lived and had a problem with heater-cathode shorts.
The improved 6U8A morphed into the 6U8A/6EA8 a few years later and then just
as the 6EA8.
Later a few other tubes were listed with a / to the 6EA8

Carl

1954. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-15 16:06:58 UTC
From: John
Topic: 1938 Message: 1954

Wow! -- I just checked the paperwork I got with the A4 and sure enough W2VCZ (from Ho-Ho-Kus, NJ; you can't make this stuff up) got 69.95 to do a "front end conversion." No date on the receipt, though.

73,

John

Sent from my iPhone

> On Feb 15, 2015, at 9:37 AM, 'Carl' km1h@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:
>
>
> ----- Original Message -----
> From: John Ruccolo jr6v6gt@... [glowbugradio]
> To: glowbugradio@yahoogroups.com
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> Carl,
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> Thanks for your reply and the info. A couple more questions
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> 1) I guess I should leave the mixer mods as-is, and not try to back it out
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> Carl
> KM1H
>
> 73,
>
> John----------
> On Tue, 2/10/15, 'Carl' km1h@jeremy.qozzy.com [glowbugradio]
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> [glowbugradio]
> To: glowbugradio@yahoogroups.com
>
> Sent: Monday,
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> Subject:
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> Comments/ideas/suggestions
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> Regards,
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> John

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> Version: 2015.0.5645 / Virus
> Database: 4284/9089 - Release Date:
> 02/10/15
>
>

1955. Re: [glowbugradio] Collins 75A-4 mixers -- is the 6BA7 really that noisy?

Yahoo group: glowbugradio
Date: 2015-02-16 02:41:23 UTC
From: Charles MacDonald
Topic: 1938 Message: 1955

On 15-02-15 09:38 AM, 'Carl' km1h@... [glowbugradio] wrote:
>

>
> Not sure why the difference but the 6U8 was a common TV tuner converter,
> as was the 12AT7, although the 6EA8/6U8 was later.
>
> The 6U8 was fairly short lived and had a problem with heater-cathode shorts.
> The improved 6U8A morphed into the 6U8A/6EA8 a few years later and then just
> as the 6EA8.
> Later a few other tubes were listed with a / to the 6EA8

I have the "data Cache" disk from the tube collectors association. It
includes some of RCA's Production information.

for example apparently the first 6U8 actually used 12AT7 plates.

The original 6KD8 had a frame grid in the pentode section.

The 6U8A was soon changed to a 6U8A/6KD8 (except for Sears who wanted
theirs branded 6U8A/6AX8/6KD8. (6U8A is controlled warm up for series
stings so irrelevant for transformer based equipment))

In 1958 the 6EA8 was supposed to be better than the 6CG8, with Zenith
and RCA moving their TV tuners that year

SO all in all there was a LOT of scrambling to make a stable long lived
VHF converter. Trying to design an update for an existing receiver, I
would not be surprised if many of these tubes were tried.

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
http://Charles.MacDonald.org/tubes
No Microsoft Products were used in sending this e-mail.

1956. 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-03 20:15:48 UTC
From: tannebri1@...
Topic: 1956 Message: 1956

What would you expect to get out of a 6L6 with 320V on the plate on 20M CW?

Brian

1957. Re: [glowbugradio] 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-03 20:41:18 UTC
From: Steve
Topic: 1956 Message: 1957

> What would you expect to get out of a 6L6 with 320V on the plate on 20M
> CW?

I get 11 watts out of mine @ 400VDC, but this is doubling with a tritet xtal oscillator...

http://members.shaw.ca/ve7sl/tritet.html

Steve

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

VE7SL BLOG - "Homebrewing and Operating Adventures From 2200m to Nanowaves": http://ve7sl.blogspot.ca/

1958. Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-03 21:08:19 UTC
From: tannebri1@...
Topic: 1956 Message: 1958
Attachments: 2 described; binary payloads are missing from this source WARC

Hii Steve

I read your article on the "Longfellow" that's what started me of with the present project. I'm using a 6CL6 VFO, 6J5 Buffer both at 7Mhz then a 6ag7 Doubler and finally a 6L6 straight through Pi network O/P. Getting 17Watts O/P .

It's built in the style of a HRO to match my HRO Junior see picture attached (display is for an Peaberry SDR) .

Many Thanks
Brian G6HUI

1959. Re: [glowbugradio] Re: 6L6 Output on 20M [2 Attachments]

Yahoo group: glowbugradio
Date: 2015-04-03 21:42:57 UTC
From: Steve
Topic: 1956 Message: 1959

What a beautiful job Brian...congrats! I think you are doing as well as could ever be expected from that little workhorse, at 17 watts.

Steve

6L6 Output on 20M [2 Attachments]

> Hii Steve
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> Many Thanks
> Brian G6HUI
>
>

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

VE7SL BLOG - "Homebrewing and Operating Adventures From 2200m to Nanowaves": http://ve7sl.blogspot.ca/

1960. Re: [glowbugradio] Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-03 21:58:43 UTC
From: Kenneth G. Gordon
Topic: 1956 Message: 1960

On 3 Apr 2015 at 14:08, tannebri1@... [glowbugradio] wrote:

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> Many Thanks
> Brian G6HUI

All I can say about that is, "Wow! What a beauty" :-)

What is the signal-quality like? Chirp? Etc?

vy 73,

Ken W7EKB

1961. Re: [glowbugradio] 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 00:39:12 UTC
From: Kenneth G. Gordon
Topic: 1956 Message: 1961

On 3 Apr 2015 at 13:15, tannebri1@... [glowbugradio] wrote:

> What would you expect to get out of a 6L6 with 320V on the plate on 20M CW?

Well, according to the RCA tube manual, at 325 VDC, plate current should be 65 mA and power input would be around 20 watts. Power output would be 10 watts. Screen voltage should be 200 VDC and grid voltage -35 VDC for Class C operation.

However, plate dissipation rating is 20.5 watts.

In my experience, when operating CW, one can double that rating and use it for plate input, or about 41 watts input. Sometime, for power tubes, one can triple that.

I used to run my own 6AG7 6L6 MOPA at 40 watts input and it ran that way for years.

Figuring around 50% efficiency, that would mean about 20 watts output.

And, BTW, maximum screen voltage is 250 VDC.

If your power output isn't in this ball-park, then look at the screen voltage....and grid bias voltage.

In point of fact, in my experience, one can reduce the grid voltage out of deep class C, and achieve a bit more power output, lathough this is probably related more to the amount of grid drive available, than grid voltage, per se.

Ken W7EKB

1962. Re: [glowbugradio] 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 00:39:22 UTC
From: Carl
Topic: 1956 Message: 1962

With sufficient drive and a new/like new metal tube about 60-65% efficiency in Class C on 20M. More, approaching 75%, with a GA thru GC type.

Actual power depends upon the PS key down plate voltage as well as the screen voltage which should be 250V.

Carl
KM1H

----- Original Message -----
From: tannebri1@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Friday, April 03, 2015 4:15 PM
Subject: [glowbugradio] 6L6 Output on 20M

What would you expect to get out of a 6L6 with 320V on the plate on 20M CW?

Brian

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5863 / Virus Database: 4321/9445 - Release Date: 04/03/15

1963. Re: [glowbugradio] Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 00:42:31 UTC
From: Kenneth G. Gordon
Topic: 1956 Message: 1963

On 3 Apr 2015 at 14:42, 'Steve' ve7sl@... [glowbugradio] wrote:

> What a beautiful job Brian...congrats! I think you are doing as well as
> could ever be expected from that little workhorse, at 17 watts.

I totally agree: a truly beautiful job.

And your power output of 17 watts is exactly "text book". And I mean
"exactly". About 33 to 35 watts input and about 17 watts output.

Superb.

Ken W7EKB

1964. Re: [glowbugradio] Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 01:00:13 UTC
From: Robert Roehrig
Topic: 1956 Message: 1964

Maybe 10 watts

On Friday, April 3, 2015 6:42 PM, "'Kenneth G. Gordon' kgordon2006@... [glowbugradio]" <glowbugradio@yahoogroups.com> wrote:

  On 3 Apr 2015 at 14:42, 'Steve' ve7sl@... [glowbugradio] wrote:

> What a beautiful job Brian...congrats! I think you are doing as well as
> could ever be expected from that little workhorse, at 17 watts.

I totally agree: a truly beautiful job.

And your power output of 17 watts is exactly "text book". And I mean "exactly". About 33 to 35 watts input and about 17 watts output.

Superb.

Ken W7EKB

1965. Re: [glowbugradio] Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 09:03:22 UTC
From: tannebri1@...
Topic: 1956 Message: 1965
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All

I've just realised that the photograph of the inside of the TX was of the original version. I started this at Christmas but stopped soon after. The reason being it used modern valves ie 6146 and 5763. I really wanted to use 30's/40's valves. So I stripped it down and rebuilt using the 6L6 etc. Some of you may have noticed the extra controls on the right hand side these are for a "select or reject" AF processing circuit the next bit to build. To help out the HRO and me on the noisy bands. I have added a picture of the latest version. The two relays handle tx/rx antenna switching and mute. The empty socket is for plug in coils to change bands a future version!

As for power O/P I'm satisfied with 17W it's more than I expected but, as has been mentioned about spot on. So I will leave alone.

As for chirp its better then my crystal TX, Key clicks are a problem I will have to have a look at. Drift is okay for short QSO's but in a rag chew you may have to follow me up or down the band a little HI HI.
The tone well lets just say it's got character!.

Thank you for all the kind comments and technical info. I'm pleased at how it has turned out. Looks great in the shack along side the HRO. I shall enjoy using it.

Hope to hear and work you all over the coming years.

73's Brian G6HUI

1966. Re: [glowbugradio] Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 13:51:11 UTC
From: Carl
Topic: 1956 Message: 1966

Id say 50% efficiency as an amp is far from textbook, more like what a ham can do with a used tube and marginal drive. We are talking about Class C and only 20M here.

Carl

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: 'Steve' ve7sl@shaw.ca [glowbugradio]
Sent: Friday, April 03, 2015 8:42 PM
Subject: Re: [glowbugradio] Re: 6L6 Output on 20M

On 3 Apr 2015 at 14:42, 'Steve' ve7sl@... [glowbugradio] wrote:

> What a beautiful job Brian...congrats! I think you are doing as well as
> could ever be expected from that little workhorse, at 17 watts.

I totally agree: a truly beautiful job.

And your power output of 17 watts is exactly "text book". And I mean
"exactly". About 33 to 35 watts input and about 17 watts output.

Superb.

Ken W7EKB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5863 / Virus Database: 4321/9453 - Release Date: 04/04/15

1967. Re: [glowbugradio] Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 18:13:23 UTC
From: Kenneth G. Gordon
Topic: 1956 Message: 1967

On 4 Apr 2015 at 9:51, 'Carl' km1h@... [glowbugradi wrote:

> I'd say 50% efficiency as an amp is far from textbook, more like what a ham can
> do with a used tube and marginal drive.

Oh, I would most certainly agree with that. However, I use the 50% figure when I am thinking about a particular tube or circuit, simply to get a "feel" for what I might expect.

To me, anything under 50% indicates a problem. If I achieve at least 50% efficiency, then I know that most of what I have built is OK, and all it needs is "tweaking" in order to get the most out of it.

(Also, in a straight power-oscillator circuit, IMHO, 50% efficiency is about all one can really expect.)

> We are talking about Class C and only
> 20M here.

Agreed.

In point of fact, if everything in a circuit is "perfect" , Class C CAN BE as much as 90% efficient. In practical circuits, IMHO, efficiency in Class C circuits is probably closer to 75 to 80% efficient in our circuits (input to output power).

Similarly, IMHO, in a Class B circuit, especially a two-tube push-pull circuit, efficiency CAN BE as high as 85%...IFF everything is exactly correct, and all losses are either minimized or ignored. (I LIKE Class B push-pull, BTW.)

In the case of the rig under discussion, I suspect that the plate voltage is dropping under load, the screen voltage is either not quite correct, is not fully bypassed, or is also dropping under load, the grid-bias is not quite correct or is also dropping under load, or the grid drive is low, the final tank circuit "Q" may be too high or too low.

For instance, he quotes a plate voltage of 320 VDC. Is this under load, or unloaded? What is his plate current under load? What about the screen voltage? What is it, both unloaded and loaded? Where is his grid bias set? How much grid current is the rig showing? What is the "Q" of his final tank circuit? How is he coupling to his power output measuring device? Etc....

And dynamic regulation of the power supply is one thing that is often overlooked. A high-value of output capacitance can often mitigate this problem.

But the fact that he is achieving at least 50% efficiency in his circuit indicates to me that it has been properly constructed and that there are, most likely, no

serious issues with parts characteristics or placement.

In any case, his construction practices seem to be particulary good.

He also mentioned that his rig is "clicky". To me this is a very good thing, indicating high-quality work.

Chirp in a CW rig is much more difficult to deal with than clicks. In fact, a clicky rig is an excellent candidate for differential keying. Chirpy rigs, not so much. But we must remember that, in general, the simple methods we have to control click tend to accentuate chirp, and vice versa. Decent differential keying methods are not what I would call "simple" either.

Anyway, that's far enough rambling for me to do today. :-)

Ken W7EKB

1968. Re: [glowbugradio] Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 20:56:36 UTC
From: Carl
Topic: 1956 Message: 1968

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: 'Carl' km1h@... [glowbugradio]
Sent: Saturday, April 04, 2015 2:13 PM
Subject: Re: [glowbugradio] Re: 6L6 Output on 20M

On 4 Apr 2015 at 9:51, 'Carl' km1h@... [glowbugradi wrote:

> I'd say 50% efficiency as an amp is far from textbook, more like what a
> ham can
> do with a used tube and marginal drive.

Oh, I would most certainly agree with that. However, I use the 50% figure when I am thinking about a particular tube or circuit, simply to get a "feel" for
what I might expect.

** I prefer using a realistic figure based upon tube and frequency. Reality these days is far superior to what we had in the tube era when affordable gear to measure power, drive voltage, chokes, bypassing, harmonics, and more wasnt available to most.
It has always annoyed me that the simplest gear in QST, etc was also too often the worst performing. If instead a real tech or engineer was tasked to the project a lot of mistakes wouldnt still be made.

To me, anything under 50% indicates a problem. If I achieve at least 50% efficiency, then I know that most of what I have built is OK, and all it needs is
"tweaking" in order to get the most out of it.

(Also, in a straight power-oscillator circuit, IMHO, 50% efficiency is about all
one can really expect.)

** More like 30-40% with the majority of those unless all the harmonics are added into the power measurement (-;

> We are talking about Class C and only
> 20M here.

Agreed.

In point of fact, if everything in a circuit is "perfect" , Class C CAN BE as
much as 90% efficient. In practical circuits, IMHO, efficiency in Class C circuits is probably closer to 75 to 80% efficient in our circuits (input to output

power).

** The 90% is dreamland and does not factor in the tank circuit loss.
I quoted 60-65% earlier based upon the tube, frequency and experience and approaching 75% with better versions of the 6L6. Those are realistic; 80% is not.

Similarly, IMHO, in a Class B circuit, especially a two-tube push-pull circuit,
efficiency CAN BE as high as 85%...IFF everything is exactly correct, and all
losses are either minimized or ignored. (I LIKE Class B push-pull, BTW.)

** Again, that is dreamland. Class B PP audio is fully defined in the literature and if you dont want to be run out of town on a rail you best be satisfied with a clean 65% or so or use it on 11M.

In the case of the rig under discussion, I suspect that the plate voltage is dropping under load, the screen voltage is either not quite correct, is not fully
bypassed, or is also dropping under load, the grid-bias is not quite correct or
is also dropping under load, or the grid drive is low, the final tank circuit "Q"
may be too high or too low.

** All the above should be factored in plus the tubes emission capability.

For instance, he quotes a plate voltage of 320 VDC. Is this under load, or unloaded? What is his plate current under load? What about the screen voltage? What is it, both unloaded and loaded? Where is his grid bias set? How much grid current is the rig showing? What is the "Q" of his final tank circuit? How is he coupling to his power output measuring device? Etc....

** Now youre getting to the crux of the matter which has never been discussed sufficiently in any mag or handbook.

And dynamic regulation of the power supply is one thing that is often overlooked. A high-value of output capacitance can often mitigate this problem.

** Or a decent choke and bleeder to limit B+ excursions; usually not found in a "minimalist" rig which will often sound as if it was built on a shoestring. I grew out of that kind of thinking by the time I was 17 and with a good mentor my second KW amp (PP 250TH and 810 modulators) worked rather well. The availabity of WW2 surplus in Radio Row and thru the AFMARS program kept my expenses to a minimum; I also had a car and girls to consider (-;
The first amp using tired HF-200's and other parts out of a scrapped diathermy was an education about what not to do.

But the fact that he is achieving at least 50% efficiency in his circuit indicates

to me that it has been properly constructed and that there are, most likely, no
serious issues with parts characteristics or placement.

In any case, his construction practices seem to be particulary good.

** I dont believe Ive seen a link to it.

He also mentioned that his rig is "clicky". To me this is a very good thing, indicating high-quality work.

** All it tells me is it still needs work but first get the RF part working better.
Getting into keying circuits, grid drive and bias opens a brand new can of worms.

Chirp in a CW rig is much more difficult to deal with than clicks. In fact, a
clicky rig is an excellent candidate for differential keying. Chirpy rigs, not so
much. But we must remember that, in general, the simple methods we have
to control click tend to accentuate chirp, and vice versa. Decent differential
keying methods are not what I would call "simple" either.

** There shouldnt be chirp with crystal control, either the crystal needs a good cleaning/replacing or its being run way too hard. The 6AG7 is the best crystal oscillator followed by its later 6CL6 version, both are real pentodes with substantial reserve emission as they were developed for early TV sets. Beam tubes and some audio pentodes arent as good.
Miniature crystals stuffed into FT-243 holders and sold by the unscrupulous are another problem in more recent years.

Anyway, that's far enough rambling for me to do today. :-)

Ken W7EKB

** Me too, I have some real work to do in the shop.

Carl
KM1H

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5863 / Virus Database: 4321/9453 - Release Date: 04/04/15

1969. Re: [glowbugradio] Re: 6L6 Output on 20M

Yahoo group: glowbugradio
Date: 2015-04-04 21:38:25 UTC
From: Kenneth G. Gordon
Topic: 1956 Message: 1969

On 4 Apr 2015 at 16:56, 'Carl' km1h@... [glowbugradi wrote:

> Oh, I would most certainly agree with that. However, I use the 50% figure
> when I am thinking about a particular tube or circuit, simply to get a
> "feel" for what I might expect.
>
> ** I prefer using a realistic figure based upon tube and frequency. Reality
> these days is far superior to what we had in the tube era when affordable gear
> to measure power, drive voltage, chokes, bypassing, harmonics, and more wasnt
> available to most.

Agreed...but I'm pretty old fashioned in many ways...

> It has always annoyed me that the simplest gear in QST, etc
> was also too often the worst performing. If instead a real tech or engineer was
> tasked to the project a lot of mistakes wouldnt still be made.

Oh, yes! I keep thinking of a "Three-Band Novice Transmitter" using a 6DQ6.
Cute little rig, IMHO, with a bad signal quality. Needed 10.5 MHz crystal in
order to work on 15. The Conar 400 (?) transmitter was a commercial copy
of it, and it also sounded terrible.

> (Also, in a straight power-oscillator circuit, IMHO, 50% efficiency is about
all
> one can really expect.)
>
> ** More like 30-40% with the majority of those unless all the harmonics are
> added into the power measurement (-;

Ha ha! Yup! :-)

> circuits is probably closer to 75 to 80% efficient in our circuits (input to
> output power).
>
> ** The 90% is dreamland and does not factor in the tank circuit loss.

Yes.

> I quoted 60-65% earlier based upon the tube, frequency and experience and
> approaching 75% with better versions of the 6L6. Those are realistic; 80% is
> not.

Agreed.

> ** Again, that is dreamland. Class B PP audio is fully defined in the
> literature and if you dont want to be run out of town on a rail you best be
> satisfied with a clean 65% or so or use it on 11M.

Yes. Good place for that, BTW.

> ** All the above should be factored in plus the tubes emission capability.

Yes. Old tubes with low emission can't output what a new one can.

> circuit? How is he coupling to his power output measuring device? Etc....
>
> ** Now youre getting to the crux of the matter which has never been
> discussed sufficiently in any mag or handbook.

I think in our cases we arrive at these things by experience and our native curiousity. "Why isn't this working like it should? Hmmmmm....", etc.

> And dynamic regulation of the power supply is one thing that is often
> overlooked. A high-value of output capacitance can often mitigate this
> problem.
>
> ** Or a decent choke and bleeder to limit B+ excursions; usually not found
> in a "minimalist" rig which will often sound as if it was built on a
> shoestring.

Yes, and the funny thing is, none of this is "new". It is 1920's technology, in fact.

> In any case, his construction practices seem to be particulary good.
>
> ** I dont believe Ive seen a link to it.

He posted a link to a photo of the rig....unless I am thinking of a different one. The rig I am thinking of had an HRO PW dial on the front. His construction practices, at least those I saw of them, were superb. Beautiful, in fact. The transmitter was sized the same as his HRO Jr. Sitting side-by-side made an impressive layout.

> He also mentioned that his rig is "clicky". To me this is a very good thing,
> indicating high-quality work.
>
> ** All it tells me is it still needs work

...of course...

> but first get the RF part working
> better. Getting into keying circuits, grid drive and bias opens a brand new can
> of worms.

Oh, yes. But it is another "educational experience". As far as I'm concerned, if I haven't learned something new each day, that day is a waste.

> ** There shouldnt be chirp with crystal control, either the crystal needs a good
> cleaning/replacing or its being run way too hard.

Yes.

> The 6AG7 is the best crystal
> oscillator followed by its later 6CL6 version, both are real pentodes with
> substantial reserve emission as they were developed for early TV sets.

There was an article in a 1950 QST magazine wherein the author examined several different types of crystal oscillator circuits using several different types of tube, and measuring crystal current, and output for each. He came to the conclusion that the 6AG7 was far, far better than any other he tried, and the modified Pierce was easiest on crystals. The title of the article was "Crystal Oscillators".

I have heard that the 802 was a superb crystal oscillator tube, but those are very hard to find.

My understanding is that "well screened" tubes (whatever that meant) make the best crystal oscillators.

> Beam
> tubes and some audio pentodes arent as good.

According to the RSGB Handbook I have here, beam tubes make terrible ECOs, since the beam-forming plates bypass the shielding of the screen grid (if there actually is one), essentially coupling the cathode to the plate for RF. This is the main reason I could never figure out why the 6L6 (or even the 6V6) was EVER used as an oscillator of any kind. Hallicrafters did this regularly, and I never understood that. The BC-610 is a prime example of this, as is the Paraset.

Well, here I am yakking again. Sheesh! OK. I'm done....at least for now.

Ken W7EKB

1970. Weird regenerative receiver.

Yahoo group: glowbugradio
Date: 2015-04-18 00:55:09 UTC
From: Kenneth G. Gordon
Topic: 1970 Message: 1970

I own a Mackey Marine model 128AY receiver. I have finally, after a number of years, accumulated a full schematic diagram for it, along with a mostly-complete wiring diagram and an operating manual for it.

The circuit is an odd one: it has a regenerative stage, a 6J5, immediately after the RF amp, a 6SK7, and that 6J5 stage is immediately followed by a detector stage, a 6SJ7.

I am familiar with the RCA designed RBA, which has a regenerative detector which is never allowed to go into oscillation, and that is coupled immediately to a tuned heterodyne oscillator, tuned 1 KHz above the RF frequency and tuned with it, effectively separating the detector stage from the "BFO", but I have never seen a circuit in which the oscillator function is separate from the detection function.

Does anyone here understand this?

And, by the way, the detector stage is rather odd too.

If anyone would like to look at the schematic, it is up on my website, www.w7ekb.com in the Glowbugs section, under Military. It is available as either a series of .JPGs or as a single PDF.

Ken W7EKB

1971. Harvey Wells power supply AC/DC

Yahoo group: glowbugradio
Date: 2015-05-08 18:54:53 UTC
From: py5jk@...
Topic: 1971 Message: 1971

Need information/schematics for the James Vibrapower mod. C-1450 used
in T-90 transmitter made Harvey Wells.
Jorge.

1972. For Sale at Dayton Hamvention

Yahoo group: glowbugradio
Date: 2015-05-11 11:16:52 UTC
From: n3bjdx@...
Topic: 1972 Message: 1972

I will have a Johnson Thunderbolt HF amp and a RAL-7 HF RX with power supply for sale at the Dayton Hamvention. Both are in working order and the RX and PS were recapped 3 years ago.

Will also have some modern gear for sale. Hope to see you there !

Fleaspot FW2923

Alan, N3BJ

1973. Gonset Communicator IV and MC Jones MM-1 FS

Yahoo group: glowbugradio
Date: 2015-06-04 12:33:45 UTC
From: Ken Simpson, W8EK
Topic: 1973 Message: 1973

Gonset 2 meter Communicator IV and M C Jones MM-1 For Sale:

Gonset 2 meter Communicator IV:

This vintage unit is in extremely nice condition. I brought it up slow on a variac, and all is well. No hum evident!

The receiver works as it should. I listened to a local net using a dummy load. The transmitter puts out just under 15 watts.

Cosmetically, the unit is extremely nice. No major defects, although I will guarantee you will find some dust.

This one includes the 120 V AC power cord, paper work, and a spare final tube (remember when we all kept a spare final "just in case"?).

Only $125. Pick up near Ocala FL would be great, but it can be shipped if needed, which is obviously not included for $125.

M C Jones "Micro Match" MM-1:

The "Micro Match" is one of the very, very early SWR bridges. It is made by M C Jones Electronics of Bristol, Conn. I do not know the exact vintage, but would guess in the 1940's or 50's. The MM-1 is certainly related to the more common Model 261, 262, and 263 units. Paper work from them is included, since they are similar.

This unit has both SO-239 and BNC connectors on each side, in parallel, so that either can be used. A toggle switch is on top (for forward/reflected power, I assume), with a range switch on the left, and SWR adjust control on the right, and the meter in the middle.

Own this vintage piece of equipment for only $25 plus shipping from Florida.

I also have many other accessories available such as many different types of microphones, HTs, HF, VHF and UHF rigs, HF and VHF/UHF antennas, etc.
Just too many to list here. Please e-mail your requests.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

1974. Regen Receiver Plan suggestions

Yahoo group: glowbugradio
Date: 2015-06-12 10:27:04 UTC
From: rhulett1@...
Topic: 1974 Message: 1974

I'm wanting to build a one-tube 40M regen receiver powered by batteries. Several circuits found on the web use a 1T4 or 3A4, some include a second tube as an RF amplifier. The last regen receiver I built was more than 50 years ago using a 6SN7.

Appreciate suggestions for circuit others have used with success.

73, Curt KB5JO

1975. Two Tube Tuna Transmitter

Yahoo group: glowbugradio
Date: 2015-06-18 21:11:55 UTC
From: rhulett1@...
Topic: 1975 Message: 1975

While investigating simple xtal QRP controlled transmitters, happened on an article Jan 2003 QSR by WD8DAS "The Two Tube Tuna Tin Transmitter". The article includes plans for a doubling power supply based on two filament transformers. The transmitter fits the parameters I was considering.

I'm wondering whether anyone on this list has built one, and what potholes were encountered if any? I've searched the web and find nothing about this transmitter beyond this article.

73, Curt KB5JO

1976. Re: [glowbugradio] Two Tube Tuna Transmitter

Yahoo group: glowbugradio
Date: 2015-06-19 00:10:40 UTC
From: Kenneth G. Gordon
Topic: 1975 Message: 1976

On 18 Jun 2015 at 14:11, rhulett1@... [glowbugradio] wrote:

> While investigating simple xtal QRP controlled transmitters, happened on an
> article Jan 2003 QSR by WD8DAS "The Two Tube Tuna Tin Transmitter". The
> article includes plans for a doubling power supply based on two filament
> transformers. The transmitter fits the parameters I was considering.
>
> I'm wondering whether anyone on this list has built one, and what potholes were
> encountered if any? I've searched the web and find nothing about this
> transmitter beyond this article.
>
> 73, Curt KB5JO

If I am not mistaken, that transmitter was also reviewed in some detail in Electric Radio Magazine some time ago, although I am not sure about that.

In any case, the complete unit, transmitter and power supply, are pretty much bullet-proof and easy to build. Steve's stuff has always been well thought-out.

You do not have to build it in a tuna can. You build it on a bread-board or in a small chassis.

One bit of info: the filter capacitors in the voltage-doubling power supply do not HAVE to be only 22 mfd: the larger in value those are, the better the voltage regulation...up to a point. Anything greater than about 560 MFD is pretty much wasted, but up to that point, there is a definite advantage to going that high.

For similar rigs, you may wish to review the QST archives for the various "QSL rigs", such as the QSL-40, etc. These were tube-type rigs all built in/on chassis which were the size of the common QSL card.

Rigs with a combination 6AG7 and 6L6 are excellent candidates too. There were many of those published in QST over the years.

I have always thoroughly enjoyed building and using these small transmitters. They are great fun.

Ken W7EKB

1977. Re: [glowbugradio] Two Tube Tuna Transmitter

Yahoo group: glowbugradio
Date: 2015-06-19 20:33:16 UTC
From: rhulett1@...
Topic: 1975 Message: 1977

Thanks for the info. I hadn't intended building the radio into a tuna tin, rather a normal chassis. The circuit is very nearly the same as the Novice Special from the 1971 Handbook. The power supply there was a conventional transformer. Always wonder how well the circuits from the handbook and QST work in practice. The 6AG7/6L6 circuits of course are legend, but rarely hear of many folks building others.

Have never built a power supply using back to back filament transformers. There must be a downside, because the cost and availability are all upside.

If you can tell me how to get a copy of the review mentioned, I would appreciate it. Hate to invest time and effort into building a problem.

73, Curt KB5JO

1978. Re: [glowbugradio] Two Tube Tuna Transmitter

Yahoo group: glowbugradio
Date: 2015-06-19 22:56:19 UTC
From: Kenneth G. Gordon
Topic: 1975 Message: 1978

On 19 Jun 2015 at 13:33, rhulett1@... [glowbugradio] wrote:

> transformer. Always wonder how well the circuits from the handbook and QST
> work in practice. The 6AG7/6L6 circuits of course are legend, but rarely hear of
> many folks building others.

Yes. I have seen a few, but not many.

> Have never built a power supply using back to back filament transformers.
> There must be a downside, because the cost and availability are all upside.

I have: one must be careful of the total current drawn from the "input"
transformer. I have at least two such supplies I have built to power ARC-5
receivers.

I use two Radio Shack 110 VAC to 24 VAC transformers back to back. I use
those with the highest 24 V current rating that RS sold. I think they are at
least the 3 amp jobs, although they may be the 5 amp ones. I'll go take a
look and report back here.

I use the 24 VAC to power the filaments of the ARC-5 receivers, in addition
to feeding the backwards transformer into a voltage-doubler supply which
provides 250 VDC at up to 40 mA for the B+.

The transformers run cool to the touch.

I use a similar power supply for one of my Instructograph machines.

> If you can tell me how to get a copy of the review mentioned, I would appreciate
> it. Hate to invest time and effort into building a problem.

Well, first of all, I'd have to go look in the on-line index to find out which issue
it was in. Then the best way to get a copy is to buy a reprint from Ray at ER
mag.

That article you mention was first published in QST, and I know Steve
somewhat. He has never published anything which didn't work.

Ken W7EKB

1979. Tri Tet problems

Yahoo group: glowbugradio
Date: 2015-07-06 07:47:32 UTC
From: tannebri1@...
Topic: 1979 Message: 1979

Hi All

I'm having trouble with a TRI-TET oscillator/doubler using a 6V6. It works fine but only at the crystal fundamental 7.03Mhz, even though the cathode tank circuit is tuned to 13.4Mhz. The Anode tank is set to 14 Mhz operation. My question is what should the cathode tank resonance be? and what Q?

Brian G6HUI

1980. Re: [glowbugradio] Tri Tet problems

Yahoo group: glowbugradio
Date: 2015-07-06 17:49:13 UTC
From: Kenneth G. Gordon
Topic: 1979 Message: 1980

On 6 Jul 2015 at 0:47, tannebri1@... [glowbugradio] wrote:

> I'm having trouble with a TRI-TET oscillator/doubler using a 6V6. It works fine
> but only at the crystal fundamental 7.03Mhz, even though the cathode tank
> circuit is tuned to 13.4Mhz. The Anode tank is set to 14 Mhz operation. My
> question is what should the cathode tank resonance be? and what Q?

The cathode tank should be tuned to a frequency around mid-way between
the crystal fundamental frequency, and the output of the plate circuit.

In your case, the cathode tank is tuned to a MUCH too high frequency.

Try making it resonant at a frequency closer to 10.5 MHz to start with, and try
it there.

As far as the "Q" of that circuit is concerned, I am not at all sure it really
matters too much, although in my own opinion, it should be "high"...

Build it like it is a plate tank circuit with a fairly large capacitor and a minimal
sized coil.

The Tri-Tet circuit was designed by Jim Lamb and first published in QST in
June of 1933. If you are a member of the ARRL, you can download the
original article in PDF format. I am sure that by reading that article, you will
learn what you need to know.

If you aren't an ARRL member, let me know and I will get it for you and send
it to you via e-mail.

BTW, be aware that the Tri-Tet circuit CAN BE very hard on crystals...

Because of this fact, it is not used very much, and almost never in "power
oscillators", i.e., those which feed an antenna directly.

Ken W7EKB

1981. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-06 18:14:43 UTC
From: Kenneth G. Gordon
Topic: 1979 Message: 1981

On 6 Jul 2015 at 0:47, tannebri1@... [glowbugradio] wrote:

> I'm having trouble with a TRI-TET oscillator/doubler using a 6V6. It works fine
> but only at the crystal fundamental 7.03Mhz, even though the cathode tank
> circuit is tuned to 13.4Mhz. The Anode tank is set to 14 Mhz operation. My
> question is what should the cathode tank resonance be? and what Q?
>
> Brian G6HUI

One other matter which may or may not be of concern: the Tri-Tet is an ECO. I.e., the screen-grid is actually the "plate" of the oscillator.

Beam tubes, such as the 6V6, etc., do NOT make very good ECOs since the "suppressor" grid or beam-forming plates, are connected internally directly to the cathode and therefore essentially bypass the isolation normally provided by using the screen-grid as the oscillator plate.

The RSGB handbook of some years back made this fact very clear, and Pat Hawker described exactly how and why this occurred.

Although the 6V6 and 807 (among others) were routinely used as crystal oscillators of various circuit formations for years, they often had to be "encouraged" to oscillate properly by directly connecting a very small capacitance from the grid directly to the plate. Usually a "gimmick" capacitor sufficed.

An excellent example of this is the "Paraset's" transmitter, which used a 6V6.

I have also published on my website an RCA -Designed push-pull crystal oscillator circuit using 807s which required this treatment.

Tubes which are much better suited to an ECO are "well screened" tubes, and those in which the "suppressor" grid (or beam-forming plates) are NOT connected internally to the cathode, but are brought out to a separate pin.

Or, better yet, non-beam tubes.

The 802, 837 (excellent), 6AG7, 6CL6 make much better ECOs, for instance.

The 803 is a high-power RF pentode which would be capable of considerable power output when used as an ECO. One would have to watch crystal current very carefully, however, if the 803 was used.

Even the 5763, which although a beam-tube, does NOT have its beam-forming plates internally connected to its cathode can make a better ECO than the 6V6.

Ken W7EKB

1982. RE: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-06 19:42:24 UTC
From: D C _Mac_ Macdonald
Topic: 1979 Message: 1982

My first rig back in 1953-4 was the Walter Ashe regen receiver (WAR-25), transmitter (WAT-25), and power supply (WAP-25).

The transmitter oscillator was a modified Pierce circuit using a 6AG7 with the screen grid as the plate equivalent. I've learned since then that the Pierce circuit was VERY gentle on crystals as well as being very stable. If I recall, the 6AG7 used 150V regulated from an VR150/0D3 in the WAP-25 power supply. In receive mode (no 350V B+ to transmitter) the Pierce oscillator could be keyed for code practice with little, if any, RF being transmitted from the dead 6L6 final amp.

I think a 6CL6 or 5763 will give similar results.

Try the Pierce oscillator, you'll like it!

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk hotmail com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: glowbugradio@yahoogroups.com
Date: Mon, 6 Jul 2015 11:14:43 -0700
Subject: Re: [glowbugradio] Tri Tet problems - more.

On 6 Jul 2015 at 0:47, tannebri1@... [glowbugradio] wrote:

> I'm having trouble with a TRI-TET oscillator/doubler using a 6V6. It works fine

> but only at the crystal fundamental 7.03Mhz, even though the cathode tank

> circuit is tuned to 13.4Mhz. The Anode tank is set to 14 Mhz operation. My

> question is what should the cathode tank resonance be? and what Q?

>

> Brian G6HUI

One other matter which may or may not be of concern: the Tri-Tet is an

ECO. I.e., the screen-grid is actually the "plate" of the oscillator.

Beam tubes, such as the 6V6, etc., do NOT make very good ECOs since the

"suppressor" grid or beam-forming plates, are connected internally directly to

the cathode and therefore essentially bypass the isolation normally provided by using the screen-grid as the oscillator plate.

The RSGB handbook of some years back made this fact very clear, and Pat Hawker described exactly how and why this occurred.

Although the 6V6 and 807 (among others) were routinely used as crystal oscillators of various circuit formations for years, they often had to be "encouraged" to oscillate properly by directly connecting a very small capacitance from the grid directly to the plate. Usually a "gimmick" capacitor sufficed.

An excellent example of this is the "Paraset's" transmitter, which used a 6V6.

I have also published on my website an RCA -Designed push-pull crystal oscillator circuit using 807s which required this treatment.

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Or, better yet, non-beam tubes.

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Even the 5763, which although a beam-tube, does NOT have its beam-forming plates internally connected to its cathode can make a better ECO than the 6V6.

Ken W7EKB

Posted by: "Kenneth G. Gordon" <kgordon2006@...>

1983. Re: Tri Tet problems

Yahoo group: glowbugradio
Date: 2015-07-06 21:04:25 UTC
From: tannebri1@...
Topic: 1979 Message: 1983

Many Thanks all for your replies I have moved the cathode tank down and it is working okay, I'm using a 6V6 300v on Anode and 150 on screen getting, including harmonics, 5 watts o/p will see what real o/p is after I finish the band pass filter need about a 1-1.5 watts to drive a valve amp ,6L6, Amplifier to 10Watts O/P.

At the time it seemed a neat idea to use my 7Mhz Xtal collection on 20M!

Many Thanks Brian G6HUI

1984. Re: [glowbugradio] Re: Tri Tet problems

Yahoo group: glowbugradio
Date: 2015-07-06 21:47:38 UTC
From: Kenneth G. Gordon
Topic: 1979 Message: 1984

On 6 Jul 2015 at 14:04, tannebri1@... [glowbugradio] wrote:

> Many Thanks all for your replies I have moved the cathode tank down and it is
> working okay, I'm using a 6V6 300v on Anode and 150 on screen getting, including
> harmonics, 5 watts o/p will see what real o/p is after I finish the band pass
> filter need about a 1-1.5 watts to drive a valve amp ,6L6, Amplifier to 10Watts
> O/P.
>
> At the time it seemed a neat idea to use my 7Mhz Xtal collection on 20M!

Why shouldn't you? I do all the time. In fact, my AN/GRC-109's transmitter, which uses a 6AG7 as the crystal oscillator tube, can output on harmonics of practically any crystal which one cares to plug into it.

The AN/GRC-109's transmitter covers 3 to 22 MHz. The circuit is very simple, somewhat like the one you are using.

The '109's crystal oscillator is the standard Pierce type, as mentioned by Mac in an earlier e-mail. It is also an ECO circuit, as I mentioned earlier too.

The 'GRC-109 manual states quite clearly that one may use the 2nd and 3rd harmonics of any crystal frequency and the transmitter will achieve normal output, which in the case of the '109, with its 2E26 amplifier, is 10 to 15 watts.

The manual also states that even the 4th harmonic may be used with slightly lower output resulting. I.e., 28 MHz from a 7 MHz rock, although the '109's transmitter does not tune that high. I have successfully used 80 meter crystals in it to operate on 20 meters, and even on 15 meters, which is the 6th harmonic.

I might add that I have successfully worked over 35 foreign countries, mostly on 40 meters, with the '109 and crystals, to an end-fed wire antenna.

Also, as Mac mentioned, the Pierce or "modified Pierce" crystal oscillator is much easier on crystals than practically any other crystal oscillator circuit. Advantages of this are 1) less drift, and 2) a better sounding signal: i.e., less chirp.

There was an article published in a 1950 edition of QST magazine entitled, "Crystal Oscillators", which examined several different types of circuits and tubes. The conclusion of the authors of that article was that 1) the Pierce (or modified Pierce), and 2) the 6AG7 was the easiest on crystals, the most stable, the easiest to get good output from, etc. In fact, the 6V6 came in very poorly for choice of tubes.

For one thing, when you tune the output of the plate circuit to a frequency too near the crystal frequency, the 6V6 would simply stop oscillating. That does not happen with the 6AG7 (nor for that matter with the other power pentodes I mentioned earlier: the 837, 6CL6, etc.) the reason being that there is no "connection" around the screen via the suppressor/beam-forming plates.

I have, with the permission of the ARRL, published a PDF copy of that article to my website, w7ekb.com/glowbugs

Therefore, the Tri-Tet circuit is really not necessary if all you want to do is use the harmonics of your crystals. To my mind, it is 1) too unnecessarily complex, and 2) too hard on my precious crystals.

I am a very firm believer in, and practitioner of, the KISS principle. ;-)

vy 73,

Ken W7EKB

1985. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-06 22:20:32 UTC
From: Carl
Topic: 1979 Message: 1985

Ive always liked the 6AG7 which is a true pentode and the 6CL6 is its modern equivalent, both designed for B&W TV video voltage amplifier service.

The 5763 is an odd duck released in the late 40's; Ive looked at it as a scaled down TV sweep tube for commercial RF use at an inflated price. My TS-617C/U Q Meter uses it as the oscillator it where it is loafing.

Carl
KM1H

----- Original Message -----
From: D C _Mac_ Macdonald k2gkk@... [glowbugradio]
To: Glowbug Radio
Sent: Monday, July 06, 2015 3:42 PM
Subject: RE: [glowbugradio] Tri Tet problems - more.

My first rig back in 1953-4 was the Walter Ashe regen receiver (WAR-25), transmitter (WAT-25), and power supply (WAP-25).

The transmitter oscillator was a modified Pierce circuit using a 6AG7 with the screen grid as the plate equivalent. I've learned since then that the Pierce circuit was VERY gentle on crystals as well as being very stable. If I recall, the 6AG7 used 150V regulated from an VR150/0D3 in the WAP-25 power supply. In receive mode (no 350V B+ to transmitter) the Pierce oscillator could be keyed for code practice with little, if any, RF being transmitted from the dead 6L6 final amp.

I think a 6CL6 or 5763 will give similar results.

Try the Pierce oscillator, you'll like it!

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk hotmail com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

To: glowbugradio@yahoogroups.com
From: glowbugradio@yahoogroups.com
Date: Mon, 6 Jul 2015 11:14:43 -0700
Subject: Re: [glowbugradio] Tri Tet problems - more.

On 6 Jul 2015 at 0:47, tannebri1@... [glowbugradio] wrote:

> I'm having trouble with a TRI-TET oscillator/doubler using a 6V6. It works
> fine

> but only at the crystal fundamental 7.03Mhz, even though the cathode tank
> circuit is tuned to 13.4Mhz. The Anode tank is set to 14 Mhz operation. My
> question is what should the cathode tank resonance be? and what Q?
>
> Brian G6HUI

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the cathode and therefore essentially bypass the isolation normally provided by using the screen-grid as the oscillator plate.

The RSGB handbook of some years back made this fact very clear, and Pat Hawker described exactly how and why this occurred.

Although the 6V6 and 807 (among others) were routinely used as crystal oscillators of various circuit formations for years, they often had to be "encouraged" to oscillate properly by directly connecting a very small capacitance from the grid directly to the plate. Usually a "gimmick" capacitor
sufficed.

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Ken W7EKB

Posted by: "Kenneth G. Gordon" <kgordon2006@...>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.6037 / Virus Database: 4365/10176 - Release Date: 07/06/15

1986. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-07 00:35:32 UTC
From: John
Topic: 1979 Message: 1986

Aren't the 6CL6 and the 5763 very similar?

Sent from my iPhone

> On Jul 6, 2015, at 6:20 PM, 'Carl' km1h@... [glowbugradio]
<glowbugradio@yahoogroups.com> wrote:
>
> Ive always liked the 6AG7 which is a true pentode and the 6CL6 is its modern
> equivalent, both designed for B&W TV video voltage amplifier service.
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> scaled down TV sweep tube for commercial RF use at an inflated price. My
> TS-617C/U Q Meter uses it as the oscillator it where it is loafing.
>
> Carl
> KM1H
>
> ----- Original Message -----
> From: D C _Mac_ Macdonald k2gkk@... [glowbugradio]
> To: Glowbug Radio
> Sent: Monday, July 06, 2015 3:42 PM
> Subject: RE: [glowbugradio] Tri Tet problems - more.
>
> My first rig back in 1953-4 was the Walter Ashe regen receiver (WAR-25),
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> * 73 - Mac, K2GKK/5 *
> * (Since 30 Nov 53) *
> * k2gkk hotmail com *
> * Oklahoma City, OK *
> * USAF & FAA (Ret.) *
> * * * * * * * * * * *

>
> To: glowbugradio@yahoogroups.com
> From: glowbugradio@yahoogroups.com
> Date: Mon, 6 Jul 2015 11:14:43 -0700
> Subject: Re: [glowbugradio] Tri Tet problems - more.
>
> On 6 Jul 2015 at 0:47, tannebri1@... [glowbugradio] wrote:
>
> > I'm having trouble with a TRI-TET oscillator/doubler using a 6V6. It works
> > fine
> > but only at the crystal fundamental 7.03Mhz, even though the cathode tank
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> Beam tubes, such as the 6V6, etc., do NOT make very good ECOs since the
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> the cathode and therefore essentially bypass the isolation normally provided
> by using the screen-grid as the oscillator plate.
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> The RSGB handbook of some years back made this fact very clear, and Pat
> Hawker described exactly how and why this occurred.
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> Although the 6V6 and 807 (among others) were routinely used as crystal
> oscillators of various circuit formations for years, they often had to be
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> capacitance from the grid directly to the plate. Usually a "gimmick"
> capacitor
> sufficed.
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> An excellent example of this is the "Paraset's" transmitter, which used a
> 6V6.
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> I have also published on my website an RCA -Designed push-pull crystal
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> Or, better yet, non-beam tubes.
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>
> Ken W7EKB
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> Version: 2015.0.6037 / Virus Database: 4365/10176 - Release Date: 07/06/15
>
>

1987. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-07 00:42:47 UTC
From: Kenneth G. Gordon
Topic: 1979 Message: 1987

On 6 Jul 2015 at 20:35, John jr6v6gt@... [glowbugradio] wrote:

> Aren't the 6CL6 and the 5763 very similar?

Physically, from outside, yes.

Electrically, inside, no.

The 6CL6 is a power pentode and is NOT a beam-tube. In fact, it is the 9 pin miniature version of the 6AG7, with very similar characteristics.

The 5763 is a beam-tube, although it is about the only small one I know of which has the beam-forming plates NOT connected internally directly to the cathode, but to a separate pin.

6CL6 makes an excellent oscillator: 5763, not so much. 5763 does perform well as an excellent small amplifier tube though.

Ken W7EKB

1988. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-07 00:58:40 UTC
From: Charles MacDonald
Topic: 1979 Message: 1988
Attachments: 1 described; binary payloads are missing from this source WARC

On 15-07-06 08:42 PM, 'Kenneth G. Gordon' kgordon2006@...
[glowbugradio] wrote:

>
> The 6CL6 is a power pentode and is NOT a beam-tube. In fact, it is the 9
> pin miniature version of the 6AG7, with very similar characteristics.
>
> The 5763 is a beam-tube, although it is about the only small one I know
> of which has the beam-forming plates NOT connected internally directly
> to the cathode, but to a separate pin.
>
> 6CL6 makes an excellent oscillator: 5763, not so much. 5763 does perform
> well as an excellent small amplifier tube though.

Yes, 5763 was Intended as a mobile amplifier and frequency doubler.

1989. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-07 01:04:43 UTC
From: John
Topic: 1979 Message: 1989

Thanks, Ken.

I could have looked in the ARRL Handbook or elsewhere, but it's always more interesting and fun to ask you guys.

73,

John, KC2UAK

Sent from my iPhone

> On Jul 6, 2015, at 8:42 PM, 'Kenneth G. Gordon' kgordon2006@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:
>
> On 6 Jul 2015 at 20:35, John jr6v6gt@... [glowbugradio] wrote:
>
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>
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> Ken W7EKB
>

1990. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-07 01:09:48 UTC
From: Kenneth G. Gordon
Topic: 1979 Message: 1990

On 6 Jul 2015 at 21:04, John jr6v6gt@... [glowbugradio] wrote:

> Thanks, Ken.
>
> I could have looked in the ARRL Handbook or elsewhere, but it's always
> more interesting and fun
> to ask you guys.

Yes. :-)

Ken W7EKB

1991. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-08 00:03:51 UTC
From: John
Topic: 1979 Message: 1991

Funny thing is, some tubes just "look" like they're related, even if they are not. Just off the top of my head: Look at 6BQ6 and 2E26, or 807 and 6BG6G. I figured perhaps the 5763 was derived from the 6CL6. I'll check out Tube Lore.

Sent from my iPhone

> On Jul 6, 2015, at 9:09 PM, 'Kenneth G. Gordon' kgordon2006@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:
>
> On 6 Jul 2015 at 21:04, John jr6v6gt@... [glowbugradio] wrote:
>
> > Thanks, Ken.
> >
> > I could have looked in the ARRL Handbook or elsewhere, but it's always
> > more interesting and fun
> > to ask you guys.
>
> Yes. :-)
>
> Ken W7EKB
>

1992. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-12 01:07:21 UTC
From: Charles MacDonald
Topic: 1979 Message: 1992

On 15-07-07 08:03 PM, John jr6v6gt@... [glowbugradio] wrote:
>
>
> Funny thing is, some tubes just "look" like they're related, or 807
> and 6BG6G.

Actually back in 1949, the 6BG6 was derived from the 807. but by 1950
the design was modified for "cost reduction"

--
Charles MacDonald Stittsville Ontario
cmacd@... Just Beyond the Fringe
No Microsoft Products were used in sending this e-mail.

1993. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-12 01:37:31 UTC
From: Kenneth G. Gordon
Topic: 1979 Message: 1993

On 11 Jul 2015 at 21:07, Charles MacDonald aa508@.... wrote:

> On 15-07-07 08:03 PM, John jr6v6gt@... [glowbugradio] wrote:
> >
> >
> > Funny thing is, some tubes just "look" like they're related, or 807
> > and 6BG6G.
>
> Actually back in 1949, the 6BG6 was derived from the 807. but by 1950
> the design was modified for "cost reduction"

My understanding is that the 6BG6GA IS an 807 with an octal base for TV.

Comparing the specification shows there are differences in interelectrode capacitances (slightly reduced for the 6BG6GA) and maximum plate dissipation ratings (20 watts for the 6BG6GA and 30 watts for the 807).

From the looks of the specifications, the 6BG6GA is a slightly smaller version of the 807.

The 6GC6 is supposedly a substitute for it, but that one has a Pd of only 17.5 watts.

Ken W7EKB

1994. Re: [glowbugradio] Tri Tet problems - more.

Yahoo group: glowbugradio
Date: 2015-07-13 01:32:04 UTC
From: John
Topic: 1979 Message: 1994

Yep, the 6BG6G sure looks like an 807 to me. And I'm not surprised the tube went thru a cost-reduction phase, given the tremendous competition in the TV receiver market of the 1950's.

I remember a flea-market vendor being baffled about why I bought one tube but not another in an identical-looking RCA box.

The first was a 2A3 -- the other was a 19BG6G. ;-)

Sent from my iPhone

> On Jul 11, 2015, at 9:37 PM, 'Kenneth G. Gordon' kgordon2006@frontier.com [glowbugradio] <glowbugradio@yahoogroups.com> wrote:
>
> On 11 Jul 2015 at 21:07, Charles MacDonald aa508@.... wrote:
>
> > On 15-07-07 08:03 PM, John jr6v6gt@... [glowbugradio] wrote:
> > >
> > >
> > > Funny thing is, some tubes just "look" like they're related, or 807
> > > and 6BG6G.
> >
> > Actually back in 1949, the 6BG6 was derived from the 807. but by 1950
> > the design was modified for "cost reduction"
>
> My understanding is that the 6BG6GA IS an 807 with an octal base for TV.
>
> Comparing the specification shows there are differences in interelectrode capacitances (slightly reduced for the 6BG6GA) and maximum plate dissipation ratings (20 watts for the 6BG6GA and 30 watts for the 807).
>
> From the looks of the specifications, the 6BG6GA is a slightly smaller version of the 807.
>
> The 6GC6 is supposedly a substitute for it, but that one has a Pd of only 17.5 watts.
>
> Ken W7EKB
>

1995. Walter Ashe Novice Rig Info

Yahoo group: glowbugradio
Date: 2015-08-29 22:43:07 UTC
From: D C _Mac_ Macdonald
Topic: 1995 Message: 1995

An article on this equipment by Walter Ashe employees W0DCB and W0GTK (likely SK) was in Radio & Television News, September 1953 and October 1953.

I have not been able to find it with Google, but can provide the articles upon request.

* * * * * * * * * * *
* 73 - Mac, K2GKK/5 *
* (Since 30 Nov 53) *
* k2gkk hotmail com *
* Oklahoma City, OK *
* USAF & FAA (Ret.) *
* * * * * * * * * * *

1996. Hammarlund Four Eleven and Four Twenty

Yahoo group: glowbugradio
Date: 2015-11-10 03:18:13 UTC
From: John
Topic: 1996 Message: 1996

Does anyone know if these were ever available as kits? I acquired the pair on Saturday. The have all the major components mounted, but no small parts. It appears construction was stopped early on. I know they were a flop for Hammarlund, so perhaps they just dumped these partly-completed sets on Radio Row or somewhere.

Any ideas?

73,

John, KC2UAK

Sent from my iPhone

1997. 1929 Bruce Kelly QSO Party

Yahoo group: glowbugradio
Date: 2015-11-12 07:21:49 UTC
From: tannebri1@...
Topic: 1997 Message: 1997

First two weekends of December,
Saturday Dec 5 through Sunday Dec 6, and
Saturday Dec 12 through Sunday Dec 13.
Starts at 2300Z (6:00 PM EST) Saturday night and finishes at 2300Z (6:00 PM EST) Sunday night, both weekends

The Bruce Kelley 1929 QSO Party is a yearly AWA sponsored event where participants build their own transmitters using the designs, techniques, and tubes that were available in 1929 and earlier, and then put those classic transmitters on the air and try to contact as many other 1929 stations as possible. Since they use early designs, it is a cacophony of whooping, chirping, buzzing, clicking, drifting, swishing, swaying, warbling, and other interesting signals. This is what ham radio sounded like in 1929 and for two weekends in December its 1929 again on the ham bands.

Anyone in Europe taking part?.

Brian G6HUI

1998. Hallicrafters PS-150 Power Supply

Yahoo group: glowbugradio
Date: 2015-12-21 22:12:10 UTC
From: l@...
Topic: 1998 Message: 1998

I have a Hallicrafters SR-150 Transceiver but no power supply. If anyone has a PS-150 they would sell me please contact me with details.

Thanks,

Lee, w0vt
Lee@w0vt.us

1999. Test email

Yahoo group: glowbugradio
Date: 2015-12-25 06:12:16 UTC
From: Jim Hill
Topic: 1999 Message: 1999

Sorry about the bandwidth, but I cannot access my list of subscribed Yahoo Groups. Before attempting to reach a real person in Yahoo support, I'll try sending an email. No problems receiving posts, since I have them emailed to me.

2000. MOPA finished

Yahoo group: glowbugradio
Date: 2016-01-21 17:21:59 UTC
From: tannebri1@...
Topic: 2000 Message: 2000

I've just finished my latest project a MOPA. 6V6 Osc and 6L6 PA. Parts came from a Heathkit AT1 that had been used for parts sold as spares at local rally. No contacts yet but was heard in VE and TF according to reverse beacon, now to grind some more crystals.

Brian G6HUI

2001. Speaker needed.

Yahoo group: glowbugradio
Date: 2016-01-23 19:41:55 UTC
From: Kenneth G. Gordon
Topic: 2001 Message: 2001

Anyone have a spare 5" speaker that would fit the AR-3 for sale? The voice-coil on mine is open.

Ken W7EKB

2002. RE: [glowbugradio] Speaker needed.

Yahoo group: glowbugradio
Date: 2016-01-23 20:06:43 UTC
From: Gene
Topic: 2001 Message: 2002

Ken (W7EKB)

Give me a description of the speaker - I have no idea what a AR-3 takes.

Please reply direct to: WØQFC@...

Gene, WØQFC

2003. Phone Classic Exchange "CX" this Sunday and next Tuesday

Yahoo group: glowbugradio
Date: 2016-02-10 15:55:56 UTC
From: J.D. MacAulay, WQ8U
Topic: 2003 Message: 2003

Time to work and enjoy those wonderful old AM and early SSB rigs. Modern rigs are encouraged to join in the fun.

The PHONE CX will run from 1400 UTC February 14 to 0800 UTC February 15, 2016.(9 AM Eastern Time on Sunday to 3 AM Eastern Time Monday) AND From 1400 UTC February 16 to 0800 UTC February 17, 2016(9 AM Eastern Time on Tuesday to 3 AM Eastern Time Wednesday) Call: "CQ Classic Exchange" Suggested Frequencies -- plus/minus QRMListen up and down 5 to 10 Kc for crystal controlled stations. . . . .BAND 160 80 40 20 15 10 6 2AM 1.890 mc. 3.860 mc. 7.270 mc. 14.280 mc. 21.400 mc. 29.000 mc. 50.300 mc. 144.300 mc.SSB 1.920 mc. 3.840 mc 7.250 mc. 14.260 mc. 21.380 mc 28.600 mc. 50.125 mc 144.200 mc. See you all Sunday and Tuesday! Full details at: www.classicexchange.org Questions? email me! wq8u@... 73, Mac WQ8U Hillsborough, NC

2004. Building Up Four new Philmore NT-200 Clones

Yahoo group: glowbugradio
Date: 2016-04-29 05:01:50 UTC
From: l@...
Topic: 2004 Message: 2004

I'm on a roll. I've got my small local radio club to build up 4 Philmore NT-200 clones I call NT-200B as they will contain minor mechanical hardware improvements and use a 6AG7 oscillator rather then a Tri-Tet 6V6 oscillator.

I just had the chassis for the transmitters and the power supplies fabricated. They look great but no holes punched to date. Just about all the other parts have arrived. I'm still waiting for the lamp assemblies, RF chokes, electrolytic capacitors, 1/4 inch mono key jacks and SS hardware. Heyboer has my paid order for the power supply transformers. Parts have been arriving almost daily for the project.

Since I have up-graded the rig with a better oscillator tube, 1/4 inch key jack, real SO-239 antenna connector, Cinch-Jones 6 pin power plug and connector, ceramic and silver mica capacitors, plus the fact the real Philmore escushions are not available, I decided to paint the chassis with Hammertone Gray paint and label it with water slide on decals. The transmitter will have the designation NT-200B as this is the second of my clone versions. I've got the page all designed for printing the slide on decals. The sheet includes a Blue and Green Philmore logo. Even improved, these clones will look very close to original in performance and looks. They should actually look better then originals.

I had a Gross Eagle transmitter as a kid back in 1953 and the Philmore NT-200 is actually a clone of this rig. I've never been able to forget my roots. This is a fantastic usable rig even for today. I've run my first clone on 160, 80, 40, 30 and 20 meters. No problem. Only thing is my crystals really started to chirp above 20 meters. I'm not sure what the new design with a 6AG7 tube will do for chirp. Hopefully it will be a lot less above 20 meters as a 6AG7 is much easier on crystals.

You can build up a clone using the Philmore circuit pretty cheaply with junk box parts if you don't care if it doesn't look like a real NT-200. However, if you want it to look close to authentic, be prepared to spend big bucks. None of this stuff is cheap anymore. Back in the early fifties you could buy a new NT-200 kit for less then $30.

At any rate, I plan to document the entire build and present the final product to internet groups once the project is completed. These rigs are going to look beautiful when finished. Just don't tell my XYL what they cost!

More to follow.

Lee, w0vt

2005. Re: Building Up Four new Philmore NT-200 Clones

Yahoo group: glowbugradio
Date: 2016-04-29 10:42:13 UTC
From: tannebri1@...
Topic: 2004 Message: 2005

Hi Lee

A question about the NT200 the pi network coil are they one for each band if so do you have the winding details.

Brian G6HUI

2006. Re: [glowbugradio] Re: Building Up Four new Philmore NT-200 Clones

Yahoo group: glowbugradio
Date: 2016-04-29 13:57:18 UTC
From: Lee
Topic: 2004 Message: 2006

Yes, th coils are for each band. I lost my list for my first clone but will reconstruct a list as I go forth and will publish it. For coil forms I purchased available ones that look good and are reasonably priced from Peebles Originals. They are clear rigid plastic tubing over new octal tube sockets. Consequently the diameter is a little larger then what Philmore used. I'll work up the values for these coil forms and let you know. For variables I am using a single and a dual 365 pf broadcast variable from The XTAL Set Society. (That is what was used in the original Gross MFG Co "Eagle" transmitter. I'll look some more for my old sheets. If I find them, I'll send them to you in a day or two.

Lee, w0vt

On 4/29/2016 5:42 AM, tannebri1@... [glowbugradio] wrote:
>
> Hi Lee
>
> A question about the NT200 the pi network coil are they one for each
> band if so do you have the winding details.
>
> Brian G6HUI
>
>

2007. Re: [glowbugradio] Re: Building Up Four new Philmore NT-200 Clones

Yahoo group: glowbugradio
Date: 2016-04-30 01:48:14 UTC
From: Lee
Topic: 2004 Message: 2007

Brian,

Here is some info I gleaned from the "Longfellow" transmitter. These coil sizes should get you close:

160 meters 62 turns #28 wire close wound

80 meters 35 turns #26 wire close wound

40 meters 19 turns #24 wire spaced over 40 mm

30 meters 15 turns #22 wire spaced over 32 mm

20 meters 9.5 turns #22 wire spaced over 20 mm

15 meters 7 turns #16 wire spaced over 35 mm

10 meters 4 turns #16 wire spaced over 22 mm

ALL COILS WOUND ON 1.25 inch Diameter Plug In Coil Forms (This is assuming you are using a variable cap of say 365 pf. Philmore used a 100 pf variable so on 80 they had to add more turns as 100 pf was a little short of ideal. (The 80 meter Philmore coil was 49 turns.) Same would be true for 160. If you used a 100 pf plate tuning cap I bet you might need close to 90 to 100 turns for a 160 meter coil. Because of all this, I am using a small 365 pf broadcast variable for my tuning cap. Then the above coils should be in range. Yes a little touchy on 15 and 10 meters but I'll most likely be only on 160, 80, 40 and 30 meters with this transmitter.) The original Grose Radio Co. "Eagle" used a 365 pf broadcast variable for plate tuning and the Philmore NT-200 was a clone of that transmitter. When Philmore came out with the NT-200 the Novice bands were 11 meters and 80 meters. I think they picked the 100 pf variable because it would not be as touchy on 11 meters as a 365 pf broadcast variable. But in doing so the cap was a little short of ideal capacitance for an ideal Q on 80 meters so to compensate for lack of C they added extra turns to the coil so the smaller cap would resonate the circuit on 80 meters.

Hope this helps.

Lee, w0vt

>> Hi Lee
>>
>> A question about the NT200 the pi network coil are they one for each
>> band if so do you have the winding details.
>>
>> Brian G6HUI

>>
>
>

2008. Re: [glowbugradio] Re: Building Up Four new Philmore NT-200 Clones

Yahoo group: glowbugradio
Date: 2016-05-01 14:34:22 UTC
From: tannebri1@...
Topic: 2004 Message: 2008

Many Thanks Lee

Will be making something similar in the near future.

Brian

2009. 1953 Burstein-Applebee Catalog

Yahoo group: glowbugradio
Date: 2016-05-17 04:17:13 UTC
From: Lee
Topic: 2004 Message: 2009

Bye chance is there anyone on here who would know where I could beg,
borrow steal, view, rent, or buy a copy of the 1953 Burstein-Applebee
Catalog?
I am doing some not for profit research and need a copy for my project.
Any help would be appreciated.
Thanks for your time.
Lee Bahr, w0vt
Lee@...

2010. Re: [glowbugradio] 1953 Burstein-Applebee Catalog

Yahoo group: glowbugradio
Date: 2016-05-17 05:13:16 UTC
From: Lee
Topic: 2004 Message: 2010

I got one coming! I was informed there was the very one I needed on the auction site. No further help needed.

thanks,

Lee, w0vt

On 5/16/2016 11:17 PM, Lee l@... [glowbugradio] wrote:
>
> Bye chance is there anyone on here who would know where I could beg,
> borrow steal, view, rent, or buy a copy of the 1953 Burstein-Applebee
> Catalog?
> I am doing some not for profit research and need a copy for my project.
> Any help would be appreciated.
> Thanks for your time.
> Lee Bahr, w0vt
> Lee@...
>
>

2011. Elico TR-75TV Trransmitter Logo

Yahoo group: glowbugradio
Date: 2016-05-19 20:17:35 UTC
From: l@...
Topic: 2011 Message: 2011

Is there anyone on here who could send me a good frontal picture of the Orange graphic label that was placed on Eldico TR-75TV transmitters?
I had one of these transmitters as a Novice back in 1953 and acquired one of these transmitters. The problem is my transmitter no longer has the logo. Someone removed it. I can easily duplicate one with an accessable color laser printer, but I need an example to duplicate it on water slide decal paper. The logo was around 2 1/2 inches wide with an orange color to it.
I find a couple examples on the internet but they are shot from an angle view and are no good to be used as a template. They are also somewhat blurry too.
If anyone has a good example they could send me it would be much appreciated. Even a shot off a piece of literature might work as well.
Thanks for any help you might be able to provide me. Once I make mine, I would have no problem sending one to anyone else needing one for their transmitter.
Lee, w0vt
Lee@w0vt.us

2012. Group Moderator please...

Yahoo group: glowbugradio
Date: 2016-06-04 21:12:41 UTC
From: louisvermond@...
Topic: 2012 Message: 2012

... e-mail Ldvermond@sympatico.ca mailto:Ldvermond@sympatico.ca Tks, Lou VE3AWA

2013. Re: [glowbugradio] Group Moderator please...

Yahoo group: glowbugradio
Date: 2016-06-04 21:24:39 UTC
From: Kenneth G. Gordon
Topic: 2012 Message: 2013

On 4 Jun 2016 at 14:12, louisvermond@... [glowbugradio] wrote:

> ... e-mail Ldvermond@... Tks, Lou VE3AWA

What's up, Lou? How can we help?

Ken W7EKB

2014. Wanted FT171 or similar Crystal

Yahoo group: glowbugradio
Date: 2016-07-04 07:45:31 UTC
From: tannebri1@...
Topic: 2014 Message: 2014

Hi

I'm lookng for a FT171 or similar large crystal with a frequency some where in the 40M CW band ie 7-7.030 Mhz for my B4/40 transmitter. Or maybe one that could be ground up to 40M.

Many Thanks Brian

2015. Wilcox CW3-D

Yahoo group: glowbugradio
Date: 2016-07-15 18:49:18 UTC
From: cullenl@...
Topic: 2015 Message: 2015

I seek information about the Wilcox CW3-D diversity radio receiver for VK4LO who is writing the history of General MacArthur’s ACAN network in Brisbane and the WW2 receiving site in Redland City near Brisbane. Online searches have not turned up much. I have a plain CW3, needs work, and the manual and have copied the manual and sent it. I found a poor photo of the -D model and that is all. There are copies of the manual in some museums and archives but these seem to be only the manual.
Can anyone supply a copy of the -D manual? Pictures? Anything?
regards, cullen K5HAL

2016. Meter bounce

Yahoo group: glowbugradio
Date: 2016-07-27 15:49:23 UTC
From: tannebri1@...
Topic: 2016 Message: 2016

Hi All

I have just finished restoring my Q Max B4/40 Transmitter from 1947.

I have a question how can I dampen the analogue meter (plate current) response without up setting the reading to much?

There appears to be no damping at all (bouncing and overshoot fitting the end stop etc) on my very old B4/40 transmitter and I worried about damaging the meters.

Brian G6HUI

2017. Re: [glowbugradio] Meter bounce

Yahoo group: glowbugradio
Date: 2016-07-27 20:15:10 UTC
From: Patrick Thompson
Topic: 2016 Message: 2017

There was a long discussion on the Yahoo Drake list about meter damping.
Might be worth digging up.

Also, I'm well behind on my email lists but stumbled across this post on
the boatanchors list:

<quoting Wayne WB4OGM>

Take a look at this paper and see if it helps:
http://skywaves.demon.co.uk/technical/Testgear/Meter_Damping_and_Speed_up_Circuits.pdf

<end quote>

The url wraps around so you'll have to splice it back together.

Best of luck, Pat
wa4tuk

On 7/27/2016 11:49 AM, tannebri1@... [glowbugradio] wrote:
>
>
> Hi All
>
>
> I have just finished restoring my Q Max B4/40 Transmitter from 1947.
>
>
> I have a question how can I dampen the analogue meter (plate current)
> response without up setting the reading to much?
>
>
> There appears to be no damping at all (bouncing and overshoot fitting
> the end stop etc) on my very old B4/40 transmitter and I worried about
> damaging the meters.
>
>
> Brian G6HUI
>
>
>

2018. Eletronic TR Switch

Yahoo group: glowbugradio
Date: 2016-08-14 05:50:09 UTC
From: l@...
Topic: 2018 Message: 2018

I am looking for either a B&W 380B or an E. F. Johnson 250-39 Electronic TR Switch. (Electronic Antenna Transfer Unit.) I want to use it along with a CW transmitter and outboard receiver. If anyone has a candidate, please contact me.
Thanks,
Lee, w0vt
Coldspring, Texas
Lee@w0vt.us

2019. Selenium rectifier replacement

Yahoo group: glowbugradio
Date: 2016-09-03 02:46:16 UTC
From: Kenneth G. Gordon
Topic: 2019 Message: 2019

OK, Gang, I need some advice here. I need to replace some selenium rectifiers in some old gear here. They deteriorated to the point that they exhibit characteristics similar to two resistors of slightly differing values.

I want to replace them with silicon of the appropriate reverse-voltage capability, but since
silicon rectifier have a lower resistance, the output voltage of the power supply will be higher.

Is there a standard resistance which should be included in series with the Si diode to make the output voltage be correct, or must one "empirically" determine this?

Ken W7EKB

2020. Re: [glowbugradio] Selenium rectifier replacement

Yahoo group: glowbugradio
Date: 2016-09-03 04:00:47 UTC
From: Lee
Topic: 2019 Message: 2020

A selenium stack drops voltage approximately 9 to 10 volts. The silicon diode will drop it .7 volts unless you put some diodes in series. The value resistor needed depends on the current draw through it and also the design of the power supply. You just can't give a resistor value without knowing the current draw through it. Hopefully the device needs a constant current flow as any resistor in series with the supply will worsen the regulation. So by putting a resistor in series, it will solve the increased voltage situation and be just fine in constant current situations but if the current demand fluctuates a lot, that new resistor will hurt your voltage regulation. In other words. there are things to consider when doing what you want to do. The best solution is not the same for all situations.

Lee, w0vt

On 9/2/2016 9:46 PM, 'Kenneth G. Gordon' kgordon2006@...
[glowbugradio] wrote:
>
> OK, Gang, I need some advice here. I need to replace some selenium
> rectifiers in some old gear here. They deteriorated to the point that
> they exhibit characteristics similar to two resistors of slightly
> differing values.
>
> I want to replace them with silicon of the appropriate reverse-voltage
> capability, but since silicon rectifier have a lower resistance, the
> output voltage of the power supply will be higher.
>
> Is there a standard resistance which should be included in series with
> the Si diode to make the output voltage be correct, or must one
> "empirically" determine this?
>
> Ken W7EKB
>

2021. Re: Selenium rectifier replacement

Yahoo group: glowbugradio
Date: 2016-09-03 18:09:16 UTC
From: km1h@...
Topic: 2019 Message: 2021

Ken, it would help to know what these seleniums are in and if there are circuits online.

Over many decades I have replaced them with SS without any difficulty. Their ~ roughly 10V drop is less than most tube rectifiers and the equipment involved was running the various tubes well below their ratings.

In AC/DC sets up to 8-9 tubes a 47 Ohm 2-3W resistor was used as a current limiter. In LV circuits such as for bias or a DC relay you might need to experiment with a series resistor if an adjustment pot isnt used.

Carl
KM1H

2022. Re: Selenium rectifier replacement

Yahoo group: glowbugradio
Date: 2016-09-03 18:20:19 UTC
From: km1h@...
Topic: 2019 Message: 2022

Forgot to mention that Ive used the very common (cheap) 1N5408 for decades as they laugh at inrush current and only the AC/DC gear gets a resistor as some of those tubes dont like a hard slap at turn on.

Carl

2023. Re: [glowbugradio] Re: Selenium rectifier replacement

Yahoo group: glowbugradio
Date: 2016-09-03 18:28:52 UTC
From: Kenneth G. Gordon
Topic: 2019 Message: 2023

On 3 Sep 2016 at 11:09, km1h@... [glowbugradio] wrote:

> Ken, it would help to know what these seleniums are in and if there are circuits online.

Well, I have several which have come up: here is a sampling: OS-8C, Hickock (?) tube tester, 3444, AN/PRM-6, others. mostly military gear. I think the AN/URM-90 has at least one which I want to replace too.

> Over many decades I have replaced them with SS without any difficulty. Their ~ roughly 10V drop
> is less than most tube rectifiers and the equipment involved was running the various tubes well
> below their ratings.

I had thought so too, but in the case of the 3444, I am afraid of upsetting its calibration.

> In AC/DC sets up to 8-9 tubes a 47 Ohm 2-3W resistor was used as a current limiter. In LV
> circuits such as for bias or a DC relay you might need to experiment with a series resistor if an
> adjustment pot isnt used.

OK. Thanks, Folks. I guess I'll just do it and see what happens.

Ken W7EKB

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https://www.avast.com/antivirus

2024. Re: [glowbugradio] Re: Selenium rectifier replacement

Yahoo group: glowbugradio
Date: 2016-09-03 18:29:42 UTC
From: Kenneth G. Gordon
Topic: 2019 Message: 2024

On 3 Sep 2016 at 11:20, km1h@... [glowbugradio] wrote:

> Forgot to mention that Ive used the very common (cheap) 1N5408 for decades as they laugh at
> inrush current and only the AC/DC gear gets a resistor as some of those tubes dont like a hard
> slap at turn on.

Makes sense. Thanks, Carl.

Ken W7EKB

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2025. Re: [glowbugradio] A question for you...

Yahoo group: glowbugradio
Date: 2016-09-07 03:31:47 UTC
From: Kenneth G. Gordon
Topic: 2019 Message: 2025

I am dealing with two "newbies" here, very good fellows, one of whom is insisting that he needs some low-loss cable to connect to his tribander on a 100 foot crank-up, but the cable MUST have a stranded center-conductor since he insists that the enhanced flexibility is important.

So far, I haven't found any such cable.

I told him to use LMR-400 and let it go at that, but he thinks that will break too easily.

So what do you "big dxers" use?

Although his tower is self-supporting, and he only cranks it up to about 70 feet, AND the fact
that we very seldom have any serious wind around here, he also insists on cranking it down when he isn't using it.

I think this is unnecessary, especially since his tower is pretty much surrounded by other structures near it which block most of the wind anyway.

Fill me in.

Ken W7EKB

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https://www.avast.com/antivirus

2026. Re: Selenium rectifier replacement

Yahoo group: glowbugradio
Date: 2016-09-07 13:37:02 UTC
From: k7mem@...
Topic: 2019 Message: 2026

There ought to be a law against newbies having 100' towers and Tri-Banders.

For tower use, even standard RG-8 would work fine. I use to have a 50' crankup with a Tri-Bander and never had an issue with flexibility. I would raise and lower the tower regularly, but that was just to appease the neighbors. I used that setup for 10 years without any coax issues.

Granted, a lower loss cable would be nice. But you need to remember, ham radio is a hobby. Not a quest to see who can have the biggest and the best. Many hams lose sight of the fact that, this is suppose to be fun.

The LMR-400 is a good low loss cable. It should only give you about 0.4 to 0.6 db of loss. LMR-400-UF (Ultra Flex) is a version that has stranded center conductor and is intended for applications that requires periodic/repeated flexing. The link below is for a spec sheet from "RF Parts"

https://www.rfparts.com/fileuploader/download/download/?d=0&file=custom%2Fupload%2FFile-1383591813.pdf https://www.rfparts.com/fileuploader/download/download/?d=0&file=custom%2Fupload%2FFile-1383591813.pdf

Martin - K7MEM

2027. Re: [glowbugradio] A question for you...

Yahoo group: glowbugradio
Date: 2016-09-07 14:06:59 UTC
From: Carl
Topic: 2019 Message: 2027

Hi Ken.

The LMR400UF is what he needs but a small RG-213 jumper around the rotator to the feedpoint with the rest LMR-400 wont affect loss worth measuring.

Since I run 75 Ohm CATV hardline I use Belden 8213 for the flexible part.

Any snow in Idaho yet (-;

Carl

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: km1h@... [glowbugradio]
Sent: Tuesday, September 06, 2016 11:31 PM
Subject: Re: [glowbugradio] A question for you...

I am dealing with two "newbies" here, very good fellows, one of whom is insisting that he
needs some low-loss cable to connect to his tribander on a 100 foot crank-up, but the cable
MUST have a stranded center-conductor since he insists that the enhanced flexibility is
important.

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So what do you "big dxers" use?

Although his tower is self-supporting, and he only cranks it up to about 70 feet, AND the fact
that we very seldom have any serious wind around here, he also insists on cranking it down
when he isn't using it.

I think this is unnecessary, especially since his tower is pretty much surrounded by other
structures near it which block most of the wind anyway.

Fill me in.

Ken W7EKB

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https://www.avast.com/antivirus

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7797 / Virus Database: 4649/12963 - Release Date: 09/07/16

2028. Re: [glowbugradio] Re: Coax for towers...

Yahoo group: glowbugradio
Date: 2016-09-07 15:17:13 UTC
From: Kenneth G. Gordon
Topic: 2019 Message: 2028

Thank you, Martin. I'll pass this on.

vy 73 for now,

Ken W7EKB

On 7 Sep 2016 at 6:37, k7mem@... [glowbugradio] wrote:

>
>
>
> There ought to be a law against newbies having 100' towers and Tri-Banders.
>
> For tower use, even standard RG-8 would work fine. I use to have a 50' crankup with a Tri-Bander
> and never had an issue with flexibility. I would raise and lower the tower regularly, but that was
> just to appease the neighbors. I used that setup for 10 years without any coax issues.
>
> Granted, a lower loss cable would be nice. But you need to remember, ham radio is a hobby. Not a
> quest to see who can have the biggest and the best. Many hams lose sight of the fact that, this is
> suppose to be fun.
>
> The LMR-400 is a good low loss cable. It should only give you about 0.4 to 0.6 db of loss.
> LMR-400-UF (Ultra Flex) is a version that has stranded center conductor and is intended for
> applications that requires periodic/repeated flexing. The link below is for a spec sheet from "RF
> Parts"
>
> https://www.rfparts.com/fileuploader/download/download/?d=0&file=custom%2Fupload%2FFi
> le-1383591813.pdf
>
> Martin - K7MEM
>
>

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https://www.avast.com/antivirus

2029. Re: [glowbugradio] A question for you...

Yahoo group: glowbugradio
Date: 2016-09-07 15:32:50 UTC
From: Kenneth G. Gordon
Topic: 2019 Message: 2029

Thanks, Carl. I'll pass this on. No. No snow in Idaho yet, but it is raining and getting cold.
The birds all formed up for their annual trip south a couple of weeks ago. Hardly any left around here.

I have a 110 foot tall grand fir tree in a "far" north-east corner of our backyard in which I
intend to hang one leg of my "Vertical Vee-Beam, but I haven't been able to do that all summer because a pair of Swainson's Hawks took up residence there, and since they keep the damned crows away (and the mice down) none of us want to disturb them.

I have contacted a fellow here (ex-military) who has a LARGE RC tri-copter. He'll haul a line
to the top of that tree with the copter and drop it over the top so I can use it to haul one end
of my "new" Vertical Vee-Beam up there. The end of the other leg of the vee-beam will be at ground level.

I am feeding the thing with 600 ohm open-wire-line through my big balanced coupler.

According to the modeling I've done on this antenna, it should be the best antenna I have ever had, at least for my purposes.

Also, I was GIVEN a nice tower the other day. Now all I have to do is convince the Chancellor of the Exchequer to get it installed and guyed. It is an all aluminum crank up.

I have an ancient tribander, a Hornet, to put on it, and a decent rotator, and some LMR-400 to feed it with.

Last week, some of the guys from the local club came by and helped me reinstall my 57' vertical, so at least I am back on the air.

Hang in there, Buddy.

Ken W7EKB

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2030. 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-21 15:29:56 UTC
From: Kenneth G. Gordon
Topic: 2030 Message: 2030

Anyone know of a source for specs on the 6AG7 or 6CL6 when used as anything other than a Class A amp?

I would like to not have to characterize one as a Class C Oscillator or Amplifier, but so far I
have not found any such data.

I want to use two, one as a VFO, and one as a buffer amp with their filaments in series across 12.6 VDC.

What I am hoping for is enough output to drive a pair of paralleled 807s or 1625s to at least
7 mA grid current for the pair.

A single 807/1625 is rated for a maximum of 4 mA grid current.

I have a couple of articles from old QSTs which use a 6AG7 as a crystal oscillator at an input of 10 - 12 watts, which, in my opinion, would be no more than 5 watts output...which may be enough.

Ken W7EKB

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2031. 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-21 15:57:20 UTC
From: Kenneth G. Gordon
Topic: 2031 Message: 2031

Well, from what I can so far see, using the 6AG7 as a Class A buffer should provide enough drive for a pair of 807s even including circuit losses.

Besides, a Class A buffer will isolate the VFO from the amplifier load better.

I guess I'll just set the circuit up for that.

Keeping my fingers crossed.

Ken W7EKB

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2032. Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-21 16:36:27 UTC
From: Don Sanders
Topic: 2031 Message: 2032

Yes, I used the 6AG7 as driver for two 807's and two 6146's years ago.
Basically it is heavy duty 12BY7 in operation.

I also used one instead of the 6v6 as a crystal osc coupled to the antenna.
Nice QRP transmitter. I drove it with a Heath VF1 also.

Dr. Don W4BWS

On Fri, Oct 21, 2016 at 11:57 AM, 'Kenneth G. Gordon'
kgordon2006@... [glowbugradio] <glowbugradio@yahoogroups.com>
wrote:

>
>
> Well, from what I can so far see, using the 6AG7 as a Class A buffer
> should provide enough
> drive for a pair of 807s even including circuit losses.
>
> Besides, a Class A buffer will isolate the VFO from the amplifier load
> better.
>
> I guess I'll just set the circuit up for that.
>
> Keeping my fingers crossed.
>
> Ken W7EKB
>
> ---
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>
>
>

2033. Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-21 17:58:02 UTC
From: Steve
Topic: 2031 Message: 2033

>I also used one instead of the 6v6 as a crystal osc coupled to the antenna.
>Nice QRP transmitter. I drove it with a Heath VF1 also.

wow...how did you get enough drive from the VF-1 to drive the low-gain 6V6...tuned input on the 6V6 or ?? I've always considered this combo near impossible.

Steve

WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl

VE7SL BLOG - "Homebrewing and Operating Adventures From 2200m to Nanowaves": http://ve7sl.blogspot.ca/

2034. Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-21 18:31:31 UTC
From: w7fe
Topic: 2031 Message: 2034

During my novice days, my dad and I built a 6AG7/1625's transmitter from a Lew McCoy article in QST, August 1960. It worked well except for the time I mistuned it and it doubled instead of tripling on 15M. Still have the OO card noting that I was heard calling CQ on 20M.

After getting my General class license, I connected a VF-1 to it and it worked FB.

Good old days......

Stu, W7FE
----- Original Message -----
From: Don Sanders w4bws1@gmail.com [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Friday, October 21, 2016 9:36 AM
Subject: Re: [glowbugradio] 6AG7 - more

Yes, I used the 6AG7 as driver for two 807's and two 6146's years ago.
Basically it is heavy duty 12BY7 in operation.

I also used one instead of the 6v6 as a crystal osc coupled to the antenna.
Nice QRP transmitter. I drove it with a Heath VF1 also.

Dr. Don W4BWS

On Fri, Oct 21, 2016 at 11:57 AM, 'Kenneth G. Gordon' kgordon2006@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

Well, from what I can so far see, using the 6AG7 as a Class A buffer should provide enough drive for a pair of 807s even including circuit losses.

Besides, a Class A buffer will isolate the VFO from the amplifier load better.

I guess I'll just set the circuit up for that.

Keeping my fingers crossed.

Ken W7EKB

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2035. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-21 18:39:19 UTC
From: john ruccolo
Topic: 2030 Message: 2035

Hi Ken,

Just a thought off the top of my head -- how about consulting the Heath DX-60 schematic? I believe 6CL6's are used as both oscillator and buffer stages.

73,

John, KC2UAK

Sent from my CRM-114

> On Oct 21, 2016, at 11:29 AM, 'Kenneth G. Gordon' kgordon2006@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:
>
> Anyone know of a source for specs on the 6AG7 or 6CL6 when used as anything other than
> a Class A amp?
>
> I would like to not have to characterize one as a Class C Oscillator or Amplifier, but so far I
> have not found any such data.
>
> I want to use two, one as a VFO, and one as a buffer amp with their filaments in series
> across 12.6 VDC.
>
> What I am hoping for is enough output to drive a pair of paralleled 807s or 1625s to at least
> 7 mA grid current for the pair.
>
> A single 807/1625 is rated for a maximum of 4 mA grid current.
>
> I have a couple of articles from old QSTs which use a 6AG7 as a crystal oscillator at an
> input of 10 - 12 watts, which, in my opinion, would be no more than 5 watts output...which
> may be enough.
>
> Ken W7EKB
>
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>

2036. Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-21 19:23:13 UTC
From: Don Sanders
Topic: 2031 Message: 2036

I used the 6AG7 in place of the 6V6 in the oscillator.

Dr. Don W4BWS

On Fri, Oct 21, 2016 at 1:58 PM, 'Steve' ve7sl@... [glowbugradio] <
glowbugradio@yahoogroups.com> wrote:

>
>
> >I also used one instead of the 6v6 as a crystal osc coupled to the
> antenna.
> >Nice QRP transmitter. I drove it with a Heath VF1 also.
>
> wow...how did you get enough drive from the VF-1 to drive the low-gain
> 6V6...tuned input on the 6V6 or ?? I've always considered this combo near
> impossible.
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> Steve
>
> WEB - "The VE7SL Radio Notebook": http://members.shaw.ca/ve7sl
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> Nanowaves":
> http://ve7sl.blogspot.ca/
>
>
>

2037. Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-21 19:29:39 UTC
From: Glen Zook
Topic: 2031 Message: 2037

The WRL Globe Chief 90, 90A, and Deluxe use a 6AG7 as the crystal oscillator driving 2-each 807 tubes and, when used with a VFO, the 6AG7 functions as an intermediate amplifier driving the 807 finals.

There is a linear amplifier design that used 4-each 6AG7 tubes that appears in the older editions of the ARRL SSB Manual.

Glen, K9STH
Website: http://k9sth.net

From: "Don Sanders w4bws1@... [glowbugradio]" <glowbugradio@yahoogroups.com>
To: glowbugradio@yahoogroups.com
Sent: Friday, October 21, 2016 11:36 AM
Subject: Re: [glowbugradio] 6AG7 - more

Yes, I used the 6AG7 as driver for two 807's and two 6146's years ago.Basically it is heavy duty 12BY7 in operation.
I also used one instead of the 6v6 as a crystal osc coupled to the antenna.Nice QRP transmitter. I drove it with a Heath VF1 also.

2038. Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-21 20:07:55 UTC
From: Steve
Topic: 2031 Message: 2038

OK...I guess I misread...thot you said it was driving a 6V6. The 6AG7 is certainly a superb tube.

Thanks 73

Steve

I used the 6AG7 in place of the 6V6 in the oscillator.

Dr. Don W4BWS

On Fri, Oct 21, 2016 at 1:58 PM, 'Steve' ve7sl@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

>
>
> >I also used one instead of the 6v6 as a crystal osc coupled to the
> antenna.
> >Nice QRP transmitter. I drove it with a Heath VF1 also.
>
> wow...how did you get enough drive from the VF-1 to drive the low-gain
> 6V6...tuned input on the 6V6 or ?? I've always considered this combo near
> impossible.
>
> Steve
>
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>
>

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http://ve7sl.blogspot.ca/

2039. Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-21 22:37:53 UTC
From: Carl
Topic: 2031 Message: 2039

Ken, the full set of curves are on the GE sheet on Franks tube pages.

I have tried a VF-1 with my Globe 90A but it flies well on all bands with a 755 VFO.

That 6AG7 "linear" was GG and what I used on a 10A
for awhile and then went with a modified 1625 driving 4 all in GG to about 400W input on 80-20M. No idea what the output was but it worked a lot on SSB with modest antennas. Minus the driver stage it was sold by P&H as the LA-400.

The 10A, 10B used a 6AG7 as the amp and the 20A used a pair.

All that was short lived as I went into the USN in late 59 and by 63 I was at National and soon had a HT-37 followed by a CE 100V which I still use. I still prefer the sound of a phasing rig which can be duplicated by a SDR.

Carl

From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: Glowbugradio@yahoogroups.com
Sent: Friday, October 21, 2016 11:57 AM
Subject: [glowbugradio] 6AG7 - more

Well, from what I can so far see, using the 6AG7 as a Class A buffer should provide enough
drive for a pair of 807s even including circuit losses.

Besides, a Class A buffer will isolate the VFO from the amplifier load better.

I guess I'll just set the circuit up for that.

Keeping my fingers crossed.

Ken W7EKB

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Version: 2016.0.7859 / Virus Database: 4664/13249 - Release Date: 10/21/16

2040. Re: *** SPAM ***Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-22 01:42:36 UTC
From: Kenneth G. Gordon
Topic: 2031 Message: 2040

On 21 Oct 2016 at 18:37, 'Carl' km1h@... [glowbugradi wrote:

> Ken, the full set of curves are on the GE sheet on Franks tube pages.

OK. Thanks, Carl. I'll take a look

> I have tried a VF-1 with my Globe 90A but it flies well on all bands with a
> 755 VFO.

As far as I am concerned, the WRL-755A is about the best of the old VFOs out there. I have both a 755 and a 755A. The A is more stable since the tube isn't inside the VFO box, but both are excellent VFOs. I converted my 755A for switchable blocked-grid or cathode keying.

> That 6AG7 "linear" was GG and what I used on a 10A
> for awhile and then went with a modified 1625 driving 4 all in GG to about
> 400W input on 80-20M. No idea what the output was but it worked a lot on SSB
> with modest antennas. Minus the driver stage it was sold by P&H as the
> LA-400.

Yes. I remember that one.

> The 10A, 10B used a 6AG7 as the amp and the 20A used a pair.

I have a 20A here and the 455 VFO too. All I am missing is the plug-in VOX unit.

> All that was short lived as I went into the USN in late 59 and by 63 I was
> at National and soon had a HT-37 followed by a CE 100V which I still use.
> I still prefer the sound of a phasing rig which can be duplicated by a SDR.

I have a CE-200V here which I have always wanted to get into operation. Maybe soon.

Thanks, Carl.

Ken W7EKB

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2041. Re: [glowbugradio] 6AG7 - more

Yahoo group: glowbugradio
Date: 2016-10-22 04:16:21 UTC
From: Kenneth G. Gordon
Topic: 2031 Message: 2041

On 21 Oct 2016 at 19:29, Glen Zook gzook@... [glowbugradio] wrote:

> The WRL Globe Chief 90, 90A, and Deluxe use a 6AG7 as the crystal oscillator
> driving 2-each 807 tubes and, when used with a VFO, the 6AG7 functions as an
> intermediate amplifier driving the 807 finals.

Oh, yes. I had forgotten about that. Thanks. I'll download the manual asap.

Ken

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2042. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-22 04:18:23 UTC
From: Kenneth G. Gordon
Topic: 2030 Message: 2042

On 21 Oct 2016 at 14:39, john ruccolo jr6v6gt@... [glowbugra wrote:

> Hi Ken,
>
> Just a thought off the top of my head -- how about consulting the Heath DX-60 schematic? I
> believe 6CL6's are used as both oscillator and buffer stages.

Hey. Excellent idea. Come to think of it, the 12BY7 is very close to a 6CL6 or 6AG7 and the DX-35 and other rigs used that tube too.;

Thanks for the nudge.

Ken

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https://www.avast.com/antivirus

2043. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-22 04:27:54 UTC
From: Lee
Topic: 2030 Message: 2043

Look at "A Novice Gallon, or General 150 watter" Page 30 June 1962
QST. A rig by Lew McCoy. The oscillator and multiplier are 5763
tubes. The multiplier drives a pair of 6GJ5 sweep tubes. (80-10 meters)

Lee, w0vt

On 10/21/2016 11:18 PM, 'Kenneth G. Gordon' kgordon2006@...
[glowbugradio] wrote:
>
> On 21 Oct 2016 at 14:39, john ruccolo jr6v6gt@... [glowbugra wrote:
>
> > Hi Ken,
> >
> > Just a thought off the top of my head -- how about consulting the
> Heath DX-60 schematic? I
> > believe 6CL6's are used as both oscillator and buffer stages.
>
> Hey. Excellent idea. Come to think of it, the 12BY7 is very close to a
> 6CL6 or 6AG7 and the
> DX-35 and other rigs used that tube too.;
>
> Thanks for the nudge.
>
> Ken
>

2044. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-24 20:52:42 UTC
From: Carl
Topic: 2030 Message: 2044

The 6CL6 was the modern replacement for the 6AG7, both were TV video amps.
The 12BY7 was also a very popular driver to sweep tubes and 6146's;
Hallidrifters even tried it in the SX-101 MK III and SX-101A...it still
drifted.

Carl

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: john ruccolo jr6v6gt@... [glowbugradio]
Sent: Saturday, October 22, 2016 12:18 AM
Subject: Re: [glowbugradio] 6AG7 specs.

On 21 Oct 2016 at 14:39, john ruccolo jr6v6gt@... [glowbugra wrote:

> Hi Ken,
>
> Just a thought off the top of my head -- how about consulting the Heath
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Version: 2016.0.7859 / Virus Database: 4664/13260 - Release Date: 10/23/16

2045. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-24 22:02:08 UTC
From: john ruccolo
Topic: 2030 Message: 2045

Hi Carl,

Hallidrifters, eh? Good one! Still a lotta fun to collect them.

I never knew that about the later SX-101s. What was the 12BY7 used for? Local Osc.?

In my projects pile I have both HT-32 and HT-37. In your experience, how drifty were their VFOs?

73,

John

Sent from my CRM-114

> On Oct 24, 2016, at 4:52 PM, 'Carl' km1h@... [glowbugradio]
<glowbugradio@yahoogroups.com> wrote:
>
> The 6CL6 was the modern replacement for the 6AG7, both were TV video amps.
> The 12BY7 was also a very popular driver to sweep tubes and 6146's;
> Hallidrifters even tried it in the SX-101 MK III and SX-101A...it still
> drifted.
>
> Carl
>
> ----- Original Message -----
> From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
> To: john ruccolo jr6v6gt@... [glowbugradio]
> Sent: Saturday, October 22, 2016 12:18 AM
> Subject: Re: [glowbugradio] 6AG7 specs.
>
> On 21 Oct 2016 at 14:39, john ruccolo jr6v6gt@... [glowbugra wrote:
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> > Hi Ken,
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> > Just a thought off the top of my head -- how about consulting the Heath
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> Hey. Excellent idea. Come to think of it, the 12BY7 is very close to a 6CL6
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> DX-35 and other rigs used that tube too.;
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>
> Ken
>

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>
>

2046. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-25 02:18:12 UTC
From: Carl
Topic: 2030 Message: 2046

As bad as some Hallis may be performance wise most look great. I have a nice selection here from the first run 1936 SX-9 and into the 60's.

Yes, the 12BY7 was in the LO.

I had a HT-37 when I first got out of USN Active duty in 63 and sold it in 65 for a CE-100V which I still use with a 75A4 Ive had since 65 with lots of mods and a NCL-2000 prototype from 64. I dont remember any particular drift problem but that was my first somewhat modern rig and I was still a 23 yr old radio virgin plus most rigs then all drifted to some degree.

The HT-32B/SX-115/NCL-2000 Ive used for the past 6-7 years is very stable after a short warmup but I run everything on an individual or full bench bucking transformer at around 108-113V. What a difference in heat from the gear, especially some Halli's and Nationals that are into partial transformer saturation at 123V. Even the old era amps are bucked down from almost 250V at times.

I seem to get extremely long RX and TX tube life. Another NCL-2000 prototype was converted to 6 in 64 and the used 1967 date code 8122's I put in around 69 were only replaced about 10 years ago when power dropped from 1200-1300W to 750 or so; never had tube shorts or any other failures with it.

Carl

Hi Carl,

Hallidrifters, eh? Good one! Still a lotta fun to collect them.

I never knew that about the later SX-101s. What was the 12BY7 used for? Local Osc.?

In my projects pile I have both HT-32 and HT-37. In your experience, how drifty were their VFOs?

73,

John

Sent from my CRM-114

On Oct 24, 2016, at 4:52 PM, 'Carl' km1h@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

The 6CL6 was the modern replacement for the 6AG7, both were TV video amps. The 12BY7 was also a very popular driver to sweep tubes and 6146's; Hallidrifters even tried it in the SX-101 MK III and SX-101A...it still drifted.

Carl

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To: john ruccolo jr6v6gt@... [glowbugradio]
Sent: Saturday, October 22, 2016 12:18 AM
Subject: Re: [glowbugradio] 6AG7 specs.

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>
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or 6AG7 and the
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Thanks for the nudge.

Ken

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https://www.avast.com/antivirus

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Version: 2016.0.7859 / Virus Database: 4664/13260 - Release Date: 10/23/16

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7859 / Virus Database: 4664/13266 - Release Date: 10/24/16

2047. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-25 02:30:33 UTC
From: Don Sanders
Topic: 2030 Message: 2047

John, I had a HT 37 and SX111 set up twice over the years. Never had a drift problem.
I used to allow a 20 minute warm up and often checked in on SSB nets and QSO's on AM.
Never had report of drifting but lots of complaints that my carrier was not suppressed.

I had the AC voltage set to 112 +/- with booster transformers so the power supply was not over loaded with high input as the line voltage kept increasing. I actually tried to assure the 6 volt filament was not over 6.3 volts, a couple tenths under no problem.
I still believe the HT 37 got the best audio reports of any radio I used. I also had good performance from the four SX111 receivers I used. I used two with a DX60B on CW and AM.

Dr. Don W4BWS

On Mon, Oct 24, 2016 at 6:02 PM, john ruccolo jr6v6gt@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:

>
>
> Hi Carl,
>
> Hallidrifters, eh? Good one! Still a lotta fun to collect them.
>
> I never knew that about the later SX-101s. What was the 12BY7 used for?
> Local Osc.?
>
> In my projects pile I have both HT-32 and HT-37. In your experience, how
> drifty were their VFOs?
>
> 73,
>
> John
>
> Sent from my CRM-114
>
> On Oct 24, 2016, at 4:52 PM, 'Carl' km1h@jeremy.qozzy.com [glowbugradio] <
> glowbugradio@yahoogroups.com> wrote:
>
>
>
>
> The 6CL6 was the modern replacement for the 6AG7, both were TV video amps.
> The 12BY7 was also a very popular driver to sweep tubes and 6146's;
> Hallidrifters even tried it in the SX-101 MK III and SX-101A...it still

> drifted.
>
> Carl
>
> ----- Original Message -----
> From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
> To: john ruccolo jr6v6gt@yahoo.com [glowbugradio]
> Sent: Saturday, October 22, 2016 12:18 AM
> Subject: Re: [glowbugradio] 6AG7 specs.
>
> On 21 Oct 2016 at 14:39, john ruccolo jr6v6gt@... [glowbugra wrote:
>
> > Hi Ken,
> >
> > Just a thought off the top of my head -- how about consulting the Heath
> > DX-60 schematic? I
> > believe 6CL6's are used as both oscillator and buffer stages.
>
> Hey. Excellent idea. Come to think of it, the 12BY7 is very close to a
> 6CL6
> or 6AG7 and the
> DX-35 and other rigs used that tube too.;
>
> Thanks for the nudge.
>
> Ken
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2016.0.7859 / Virus Database: 4664/13260 - Release Date: 10/23/16
>
>
>

2048. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-25 02:54:52 UTC
From: john ruccolo
Topic: 2030 Message: 2048

Yeah, from what I've seen HT-32s and 37s are both prone to power transformer failure. And so are the NC-100s and 200s. That's good advice -- I will run them at reduced line voltage if I ever have them on for any great length of time. One of my 32s already has a "replacement" PT.

Collecting Hallicrafters is almost like collecting Lionel Trains. They made so much stuff for so many years all across the price spectrum, and were very popular. Yes, they made their share of mediocre receivers and some junk -- but you gotta love 'em. National had their clunkers too -- like the NC-46. But I like 'em all.

Just curious -- how would you compare the SX-115 (I've only ever seen one) to the 75A-4?

Sorry, I didn't mean to get us OT. You guys were talking about about the 6AG7, etc.

Sent from my CRM-114

> On Oct 24, 2016, at 10:18 PM, 'Carl' km1h@... [glowbugradio]
<glowbugradio@yahoogroups.com> wrote:
>
> As bad as some Hallis may be performance wise most look great. I have a nice
> selection here from the first run 1936 SX-9 and into the 60's.
>
> Yes, the 12BY7 was in the LO.
>
> I had a HT-37 when I first got out of USN Active duty in 63 and sold it in
> 65 for a CE-100V which I still use with a 75A4 Ive had since 65 with lots of
> mods and a NCL-2000 prototype from 64. I dont remember any particular drift
> problem but that was my first somewhat modern rig and I was still a 23 yr
> old radio virgin plus most rigs then all drifted to some degree.
>
> The HT-32B/SX-115/NCL-2000 Ive used for the past 6-7 years is very stable
> after a short warmup but I run everything on an individual or full bench
> bucking transformer at around 108-113V. What a difference in heat from the
> gear, especially some Halli's and Nationals that are into partial
> transformer saturation at 123V. Even the old era amps are bucked down from
> almost 250V at times.
>
> I seem to get extremely long RX and TX tube life. Another NCL-2000 prototype
> was converted to 6 in 64 and the used 1967 date code 8122's I put in around
> 69 were only replaced about 10 years ago when power dropped from 1200-1300W
> to 750 or so; never had tube shorts or any other failures with it.
>
> Carl
>
> Hi Carl,
>

> Hallidrifters, eh? Good one! Still a lotta fun to collect them.
>
> I never knew that about the later SX-101s. What was the 12BY7 used for?
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> ----- Original Message -----
> From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
> To: john ruccolo jr6v6gt@... [glowbugradio]
> Sent: Saturday, October 22, 2016 12:18 AM
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> Version: 2016.0.7859 / Virus Database: 4664/13266 - Release Date: 10/24/16
>
>

2049. Re: [glowbugradio] 6AG7 specs.

Yahoo group: glowbugradio
Date: 2016-10-25 03:03:57 UTC
From: john ruccolo
Topic: 2030 Message: 2049

Hi Don,

Thanks much for the info. I'd like to get the 32 or 37 on the air one of these days. There was a time when I was not very interested in vintage SSB gear, but now I am. I once bought a very decent 37 for $5. Too many Hallicrafters, not enough time! ;-)

73,

John, KC2UAK

Sent from my CRM-114

> On Oct 24, 2016, at 10:30 PM, Don Sanders w4bws1@... [glowbugradio] <glowbugradio@yahoogroups.com> wrote:
>
> John, I had a HT 37 and SX111 set up twice over the years. Never had a drift problem.
> I used to allow a 20 minute warm up and often checked in on SSB nets and QSO's on AM.
> Never had report of drifting but lots of complaints that my carrier was not suppressed.
>
> I had the AC voltage set to 112 +/- with booster transformers so the power supply was not over loaded with high input as the line voltage kept increasing. I actually tried to assure the 6 volt filament was not over 6.3 volts, a couple tenths under no problem.
> I still believe the HT 37 got the best audio reports of any radio I used. I also had good performance from the four SX111 receivers I used. I used two with a DX60B on CW and AM.
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>>>
>>
>
>

2050. HappyCrappers

Yahoo group: glowbugradio
Date: 2016-10-25 03:15:51 UTC
From: Kenneth G. Gordon
Topic: 2050 Message: 2050

In my limited experience, I found the HT-32 and HT-37 to be unusually stable, whereas I found most Halli receivers to be painfully UNstable. I never could understand how their transmitter VFOs could be so good, while their receiver HFOs were so bad.

I understand that the SX-115 and SX-117 were very, very good though. And the Halli version of the R-274 was excellent.

I always liked the SX-28, but it was eventually built to Signal Corp specs so it was more stable.

One of my Elmers had a brand-new SX-100, I don't know which model, and if you banged on the table it would wobble off frequency.

I suspect that Halli had some entrenched engineer who specialized in their receiver HFOs and was never dislodged from his position until he reached retirement age. But this is just a
WAG.

I was almost always very disappointed in the stability of Halli's receivers.

Ken W7EKB

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https://www.avast.com/antivirus

2051. SX-115 vs. 75A-4

Yahoo group: glowbugradio
Date: 2016-10-29 16:07:02 UTC
From: john ruccolo
Topic: 2051 Message: 2051

Hi Carl,

I would be interested in hearing your comparison of these receivers. I have an A4 in my (too long) projects queue. But I've only ever seen one 115 in 30+ years of hamfests and antique radio meets.

115s can fetch some crazy prices on eBay.

73,

John, KC2UAK

Sent from my CRM-114

2052. Re: [glowbugradio] SX-115 vs. 75A-4

Yahoo group: glowbugradio
Date: 2016-10-29 17:50:05 UTC
From: K0DAN
Topic: 2051 Message: 2052

This is kind of comparing apples and oranges, however I have an R388URR and SX115. Both are great receivers and everyone should have one of each! With that said, the Hallicrafters is better suited to SSB, and has good filters, notch, and AVC for that mode. On AM it only receives one sideband, so it can sound kind of mushy on AM. In comparison, the R388URR does not have the product detector nor such a flexible AVC, yet can sound pretty good on SBB if you ride the RF gain control. Its AM reception is quite a bit superior, and it has good selectivity/filters for that purpose. Stability of both receivers is good, esp if powered on for several hours and VFO's on both are stable and smooth. Sensitivity is pretty good on both receivers all the way up to 29 Mhz, however I can't quote real specs. I have never owned a 75A4, so YMMV.

GL es 73.

dan k0dan

-----Original Message-----
From: john ruccolo jr6v6gt@... [glowbugradio]
Sent: October 29, 2016 11:07
To: yahoogroups
Subject: [glowbugradio] SX-115 vs. 75A-4

Hi Carl,

I would be interested in hearing your comparison of these receivers. I have an A4 in my (too long) projects queue. But I've only ever seen one 115 in 30+ years of hamfests and antique radio meets.

115s can fetch some crazy prices on eBay.

73,

John, KC2UAK

Sent from my CRM-114

Posted by: john ruccolo <jr6v6gt@...>

Yahoo Groups Links

2053. Re: [glowbugradio] SX-115 vs. 75A-4

Yahoo group: glowbugradio
Date: 2016-10-29 18:37:34 UTC
From: Glen Zook
Topic: 2051 Message: 2053

He asked about the Collins 75A-4, not the R-388 series. There is a considerable difference between those receivers. The 75A-4 was made primarily for SSB operation whereas the R-388 series was made for AM / CW operation. During production, there were changes made in the 75A-4 that improved operation. Also, there were quite a number of non-Collins modifications described in every one of the major amateur radio magazines. Most of those modifications were dubious in terms of improving operation of the 75A-4. However, there were certain modifications that were definitely worthwhile.

Most of the modifications have been compiled in a book published by Electric Radio with notations about which particular modifications really work.

The 75A-4 covers 160-meters and 11-meters as well as the remainder of the non WARC bands and has a full MHz per band rather than the 500 kHz per band with the SX-115. For use with converters, the 75A-4 definitely makes things easier because of the 1 MHz per band switch position.

I do have a Collins 51J-2, a Collins R-388 (a.k.a. 51J-3), as well as the 75A-1, 75A-2, 75A-3, and 75A-4. I do not own an SX-115 but have worked on several over the years. In fact, I have an example on my workbench right now. The SX-115 is a good receiver.
 However, I definitely prefer the 75A-4 over the SX-115. There are a number of intangible things including the "feel" of the receiver that come into play.

 Glen, K9STH
Website: http://k9sth.net

From: "'K0DAN' k0dan@... [glowbugradio]" <glowbugradio@yahoogroups.com>
To: yahoogroups <glowbugradio@yahoogroups.com>; jr6v6gt@...
Sent: Saturday, October 29, 2016 12:50 PM
Subject: Re: [glowbugradio] SX-115 vs. 75A-4

  This is kind of comparing apples and oranges, however I have an R388URR and SX115. Both are great receivers and everyone should have one of each! With that said, the Hallicrafters is better suited to SSB, and has good filters, notch, and AVC for that mode. On AM it only receives one sideband, so it can sound kind of mushy on AM. In comparison, the R388URR does not have the product detector nor such a flexible AVC, yet can sound pretty good on SBB if you ride the RF gain control. Its AM reception is quite a bit superior, and it has good selectivity/filters for that purpose. Stability of both receivers is good, esp if powered on for several hours and VFO's on both are stable and smooth. Sensitivity is pretty good on both receivers all the way up to 29 Mhz, however I can't quote real specs. I have never owned a 75A4, so YMMV.

2054. Re: [glowbugradio] SX-115 vs. 75A-4

Yahoo group: glowbugradio
Date: 2016-10-29 21:46:06 UTC
From: Carl
Topic: 2051 Message: 2054

I own both models John both (almost) unmodified plus another 75A4 Ive had since 65 and made several changes to my specific needs for serious CW DX chasing on 160/80. That is often shared with the main rig TS-950SD and continues to be the best in the noise digger Ive owned or tried.

Neither is very sensitive in stock condition and the 6DC6 RF amp was a poor choice to overide mixer noise above 20M. The NC-300/303 was much better in that respect using a 6BZ6, most anything works on 20M and lower.
My modified A4 uses a 6GM6 and 7360's in both mixers as the first step.

The mechanical filters in the A4 have better skirts but there is only room for 3 while the 115 has 5 selectivity positions which is nice BUT it really needs another stage of selectivity with another amp. I much prefer the NC-303's better skirts. Old mechanical filters often suffer from deteriorated foam causing the disc elements to vibrate; Ive had to rebuild all of mine.

The 115 variable IF doesnt have the selectivity needed and strong signals feed thru, the 2nd IF at 1005 kHz is also lacking selectivity plus strong BCB feedthru takes it out.
The stock A4 has the same overload issues as the 115 but a much cleaner and birdy free signal path.

Both suffer from a poor audio stage which was common across the board in those years and not pleasant for hours of headphone listening. Some minor changes work wonders in those, NC-300/303, and a variety of Hammarlunds.

Neither has "contest grade" AGC for SSB but the 115 is better to start with.

I have two vintage SSB/AM stations. One a SX-115/HT-32B/NCL-2000 and the other the stock 75A4/CE-100V/NCL-2000 that has had 160 added; the 100V came with that option.

The ER in general and the A4 book has to be taken with a grain of salt to separate the good from the bad or do nothing mods. Very little is peer reviewed.

Prices are mostly driven by avalibility to the collector horde who often has unlimited funds to throw at them. The SX-88, NC-400, HRO-500 are in that category of 50-60's radios along with the SX-115. Toss in the Collins fanatics for some real battles. I sold an A4 with a factory installed noise blanker with all documentation for some silly money some years ago.

Carl

----- Original Message -----
From: john ruccolo jr6v6gt@... [glowbugradio]

To: yahoogroups
Sent: Saturday, October 29, 2016 12:07 PM
Subject: [glowbugradio] SX-115 vs. 75A-4

Hi Carl,

I would be interested in hearing your comparison of these receivers. I have an A4 in my (too long) projects queue. But I've only ever seen one 115 in 30+ years of hamfests and antique radio meets.

115s can fetch some crazy prices on eBay.

73,

John, KC2UAK

Sent from my CRM-114

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Checked by AVG - www.avg.com
Version: 2016.0.7859 / Virus Database: 4664/13305 - Release Date: 10/29/16

2055. Re: [glowbugradio] SX-115 vs. 75A-4

Yahoo group: glowbugradio
Date: 2016-11-03 01:27:06 UTC
From: john ruccolo
Topic: 2051 Message: 2055

My belated thanks to all who replied. I learned some things. Always good to hear what people think about various receivers.

One thing I've noticed is that the NC-300/303 are *much* more affordable than other high-end ham-band receivers. Last fall I bought a very decent 300 with calibrator and 2M converter for $60. A "fixer-upper" A4 would cost at least five times that.

Sent from my CRM-114

> On Oct 29, 2016, at 5:46 PM, 'Carl' km1h@...zzy.com [glowbugradio] <glowbugradio@yahoogroups.com> wrote:
>
> I own both models John both (almost) unmodified plus another 75A4 Ive had
> since 65 and made several changes to my specific needs for serious CW DX
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> Carl
>
> ----- Original Message -----
> From: john ruccolo jr6v6gt@... [glowbugradio]
> To: yahoogroups
> Sent: Saturday, October 29, 2016 12:07 PM
> Subject: [glowbugradio] SX-115 vs. 75A-4
>
> Hi Carl,
>
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> an A4 in my (too long) projects queue. But I've only ever seen one 115 in
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> John, KC2UAK
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>
>

2056. Astron RS-35A FS

Yahoo group: glowbugradio
Date: 2016-11-03 14:26:39 UTC
From: Gene
Topic: 2056 Message: 2056

Excellent condx a real "10"

Currently sells for $179.95 at HRO

Asking $100 plus shipping

Gene, W0QFC

2057. Collins 30-L1

Yahoo group: glowbugradio
Date: 2016-11-24 17:47:15 UTC
From: Kenneth G. Gordon
Topic: 2057 Message: 2057

I have been "given" two Collins 30-L1 amplifiers recently, one of which I had "loaned" to a ham a long time ago. He recently returned it to me as he thought he no longer needed it. However, he only recently has become very interested in traffic-handling and has discovered that there are times when an amplifier would come in handy.

Another friend, an avid traffic-handler, sent me a 30-L1 he apparently got for very little at a
hamfest, and asked me to investigate the possibility of converting it for full-QSK.

Both amps are in good condition.

Both owners are now interested in investigating whether the 30-L1 can be converted for full-QSK using Rich Measures' cathode-bias-switching method.

From my reading of the schematic, and from looking the amps over, it looks to me as though modifying them for full-QSK is not going to be simple. For one thing, I have been told by Carl, and from looking at how the amps are configured, they are not really very stable at frequencies above about 14 MHz. Collins' use of one parasitic choke for two tubes seems to me to be not very bright. And there are other issues.

Anyone have any experience with this amp? What are your conclusions?

Ken W7EKB

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2058. Re: [glowbugradio] Collins 30-L1

Yahoo group: glowbugradio
Date: 2016-11-25 00:07:57 UTC
From: Carl
Topic: 2057 Message: 2058

Tell him to stick with 20 and below.

The 30L1 is indeed prone to taking off especially on 10M as it needs neutralization, look at the old Heath and Gonset 4 x 811A amps for the circuit.

With 572B's installed it is a much more reliable amp at the same 600-700W out.

The W7RY QSK board is supposedly OK but you have to supply all the parts.

Happy Thanksgiving old man

Carl

----- Original Message -----
From: 'Kenneth G. Gordon' kgordon2006@... [glowbugradio]
To: glowbugradio@yahoogroups.com
Sent: Thursday, November 24, 2016 12:47 PM
Subject: [glowbugradio] Collins 30-L1

I have been "given" two Collins 30-L1 amplifiers recently, one of which I had "loaned" to a
ham a long time ago. He recently returned it to me as he thought he no longer needed it.
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Version: 2016.0.7924 / Virus Database: 4664/13463 - Release Date: 11/23/16

2059. Re: [glowbugradio] Collins 30-L1

Yahoo group: glowbugradio
Date: 2016-11-25 17:35:30 UTC
From: Kenneth G. Gordon
Topic: 2057 Message: 2059

On 24 Nov 2016 at 19:07, 'Carl' km1h@... [glowbugradi wrote:

> Tell him to stick with 20 and below.

Thanks, Carl. I had intended to do that from the info you had passed on to me some time ago.

> The 30L1 is indeed prone to taking off especially on 10M as it needs
> neutralization, look at the old Heath and Gonset 4 x 811A amps for the
> circuit.

OK. I'll do that.

> With 572B's installed it is a much more reliable amp at the same 600-700W
> out.

Does one have to use 4 ea 572Bs or will two suffice? The reason I ask is that the plate voltage is low for 572Bs. Something like 1500 VDC for the 811s but the 572Bs require something over 2KV.

> The W7RY QSK board is supposedly OK but you have to supply all the parts.

Yes. I bought a couple of those to try out.

One question I have concerns neutralization of a GG amp. Some time ago, you suggested winding a coil around the filament choke. I assumed at the time it was in the reverse direction to the winding on the filament choke. I saved the info you gave me at the time, but
now can't find it. So, I have forgotten how you suggested to connect that out-of-phase RF voltage to the circuit to neutralize the amps. Could you please fill me in again?

> Happy Thanksgiving old man

And a very Happy Thanksgiving to you and yours too, Carl. God Bless.

Ken W7EKB

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2060. 30-L1 and neutralization.

Yahoo group: glowbugradio
Date: 2016-11-25 17:57:04 UTC
From: Kenneth G. Gordon
Topic: 2060 Message: 2060

Carl:

Never mind answering my question on neutraliztion of GG amps. I just took a look at the schematic of the Heathkit "Warrior" HA-10 amp and there it is in all its glory.

Simple. Neat. Interesting that Collins never incorporated that.

Thanks.

Ken W7EKB

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2061. Re: [glowbugradio] 30-L1 and neutralization.

Yahoo group: glowbugradio
Date: 2016-11-25 18:32:39 UTC
From: Carl
Topic: 2060 Message: 2061

Thanks for saving me that hard work Ken (-: Now I can go back to repairing/replacing the rotted away boards in my kitchen which is in the part of the house dating to the 1820's. Always something to do around here....keeps me young!

Too bad so many still believe the BS from Bill Orr who said GG amps did not require neutralization. The current AL-811H, AL-811HD (4 572B's), and AL-572 are neutralized.

While a pair of 572B's would do the job I dont know about the tuning range of the tuned input and the effect on the output tank. Note that the AL-811HD runs 4 of them and a few have got away with 3 in the 811H but dont know if that includes 10-15M.
In any case only 2 with new individual suppressors may not need neutralization; I never got that deep into it and customers have had zero problems for many years now with all 4 holes plugged. OTOH only 2 will raise the filament voltage to some xx percent.

Carl

Subject: [glowbugradio] 30-L1 and neutralization.

Carl:

Never mind answering my question on neutraliztion of GG amps. I just took a look at the
schematic of the Heathkit "Warrior" HA-10 amp and there it is in all its glory.

Simple. Neat. Interesting that Collins never incorporated that.

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Ken W7EKB

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7924 / Virus Database: 4664/13478 - Release Date: 11/25/16

2062. Re: [glowbugradio] 30-L1 and neutralization.

Yahoo group: glowbugradio
Date: 2016-11-25 19:00:07 UTC
From: Kenneth G. Gordon
Topic: 2060 Message: 2062

On 25 Nov 2016 at 13:32, 'Carl' km1h@... [glowbugradi wrote:

> Thanks for saving me that hard work Ken (-: Now I can go back to
> repairing/replacing the rotted away boards in my kitchen which is in the
> part of the house dating to the 1820's. Always something to do around
> here....keeps me young!

Same here. Everywhere I look there is something that needs attention. Our home was built in the 1890s and moved in here in the 1930s. We managed to afford to add a badly needed addition to it last year though. I am installing lots of wiremold in one of the upstairs bedrooms since there are exactly two plugs in the entire room and the entire top floor was supplied, knob-and-tube, from one pair of #14's. I rewired the other upstairs bedroom some time ago, and now have to finish this one. It is coming along nicely...

I left the #14s to supply the ceiling lights...

>
> Too bad so many still believe the BS from Bill Orr who said GG amps did not
> require neutralization. The current AL-811H, AL-811HD (4 572B's), and AL-572
> are neutralized.

Well, I still can't figure out why Collins, of all makers, didn't neutralize the 30-L1...

Even Heathkit did that with their HA-10.

> While a pair of 572B's would do the job I dont know about the tuning range
> of the tuned input and the effect on the output tank. Note that the AL-811HD
> runs 4 of them and a few have got away with 3 in the 811H but dont know if
> that includes 10-15M.
> In any case only 2 with new individual suppressors may not need
> neutralization; I never got that deep into it and customers have had zero
> problems for many years now with all 4 holes plugged.

Well, I plan to plug all 4 for both of these guys. They are both friends of mine, and I want
them to have usable amps. I'll use the good ones from RF Parts Co. The pair I bought from them for my SB-200 are excellent.

> OTOH only 2 will raise
> the filament voltage to some xx percent.

Yes. I am wondering if there is some SIMPLE way to raise the B+, but at this point, it sure doesn't look like it. Collins' use of one transformer for all purposes make upgrading the HV
difficult. I suppose I COULD try a voltage-tripler...

Seems like a lot of unnecessary work though.

Oh, well. I think I'll just install 4 ea 572Bs and let it go at that....AFTER neutralizing the
thing, and changing the parasitic chokes to ONE per tube. Geeze....

BTW, I found the notes you sent me much earlier. I especially found the loading instructions
valuable.

I am also beginning the construction of a push-pull pair of 304TLs for 160 meters (only). I'll
install 40 MHz traps in each grid lead. That should take care of that 40 MHz parasitic that always shows up with those. I figure the poor IMD won't matter on 160 since all my operations there will be CW anyway, and not all that often. I am not chasing DX.

I still have to finish the SB-200 I converted over to 4CX250Bs. I am about 1/3 finished with
that one.

Later,

Ken W7EKB

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2063. Re: [glowbugradio] 30-L1 and neutralization.

Yahoo group: glowbugradio
Date: 2016-11-25 22:51:37 UTC
From: Kenneth G. Gordon
Topic: 2060 Message: 2063

On 25 Nov 2016 at 13:32, 'Carl' km1h@... [glowbugradi wrote:

> Too bad so many still believe the BS from Bill Orr who said GG amps did not
> require neutralization.

I remembered his writing something like that in an old Radio Handbook. Turns out, he said this in his 15th edition:

"Certain triodes have a grid configuration and lead arrangement which results in very low plate to filament capacitance when the control grid is grounded, the grid acting as an effective shield much in the manner of the screen in a screen-grid tube.
By connecting such a triode in the circuit of figure 15 (a pretty much standard GG circuit),
taking the usual precautions against stray capacitive and inductive coupling between input and output leads and components, a stable power amplifier is realized which requires no neutralization."

But then he didn't elaborate on which tubes would work this way and which wouldn't, nor what these "precautions" entailed: nor did he then cover neutralization of GG amps either.

Oh, well....

Neutralization of GG amps isn't that difficult.

Ken W7EKB

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